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# ICONOGRAPHIE ZOOPHYTOLOGIQUE.

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PARIS. — IMPRIMERIE DE FAIN ET THUNOT, RUE RACINE, 28, PRÈS DE L'ODÉON.

<

## ICONOGRAPHIE ZOOPHYTOLOGIQUE,

#### DESCRIPTION

PAR LOCALITÉS ET TERRAINS

## DES POLYPIERS FOSSILES DE FRANCE

ET PAYS ENVIRONNANTS,

PAF

#### HARDOUIN MICHELIN,

MEMBRE DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE,

ACCOMPAGNÉE DE FIGURES LITHOGRAPHIÉES,
PAR LUDOVIC MICHELIN ET DELARUE FILS.

## PLANCHES.

A Paris,

CHEZ P. BERTRAND, ÉDITEUR,

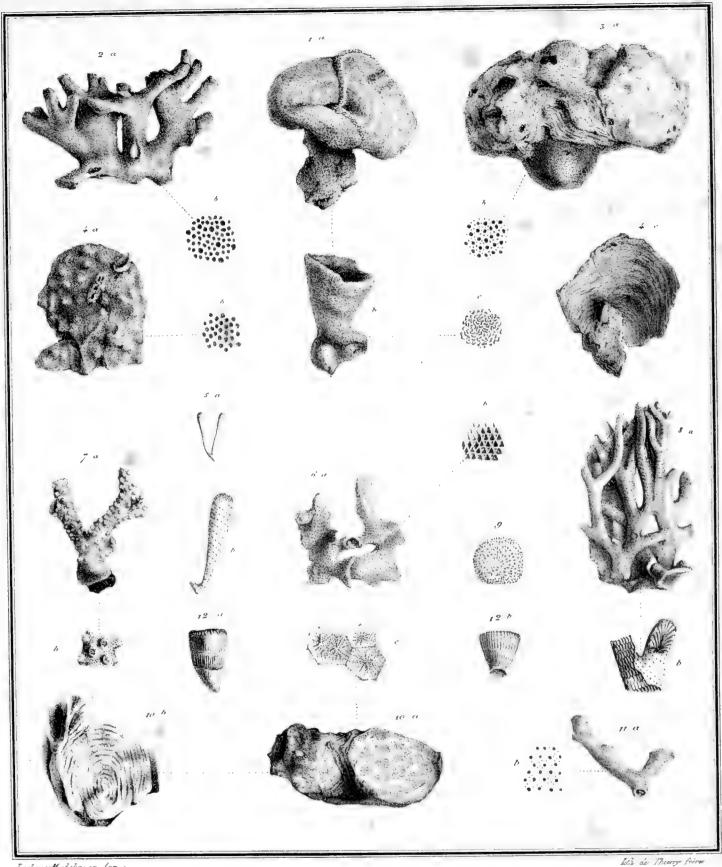
LIBRAIRE DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE, rue Saint-André-des-Arcs, 65.

1840 à 1847

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Indove Michelin in lap

- Spongia boletiformes .
- Heteropora cryptopora. - spongenides
- Ceriopora polymorpha
- Michelin Blainville. Michelin/ Goldfuss
- Oricopora coliformis 6 Eschara triangularis
- Circopora Ruulinii
- Cricopora gracilis.

#### Michelin'.

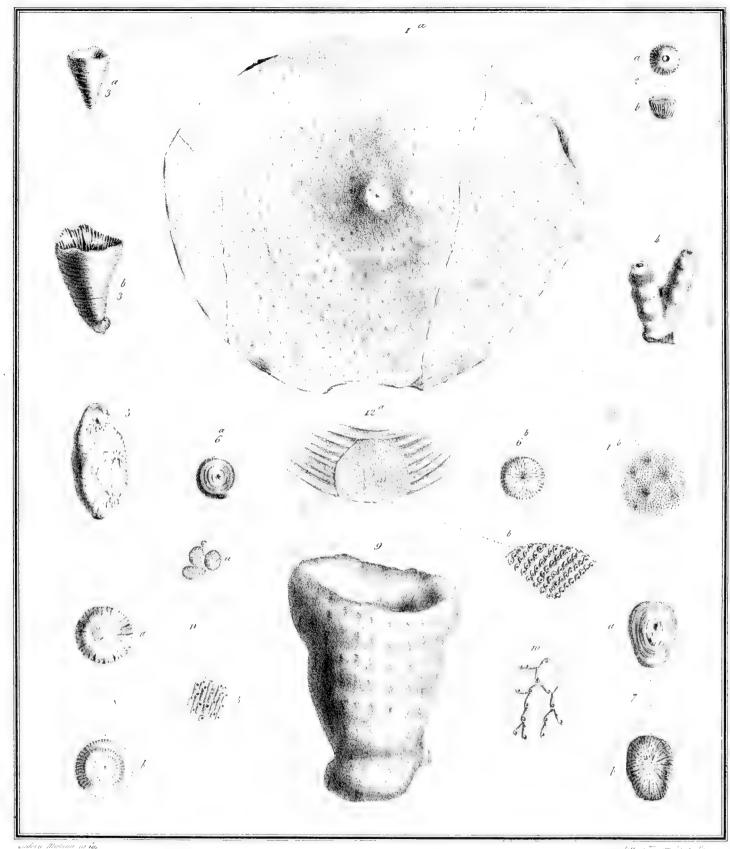
- Diastepera 910 Ceriopora
  - Heleropera Turbinolia
- Landriotii. decholoma . conulus
- gracelis Milico Edwards. Michalin! Blainville Michelin

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## OOLITHE INFÉRIEURE.

DÉP. DU CALVADOS

Pl. 2.



1. Astrea Defranciana

? Turkmalin Magneedliana ? Conjophyllia extentroium , Spongur Sweerendis

Muchelin

Lamouroux

Spongia Stellata Cyclolitic orbitolitic

\_\_\_\_\_deforme

\_ Eudisii

Lamouroux

Michelin

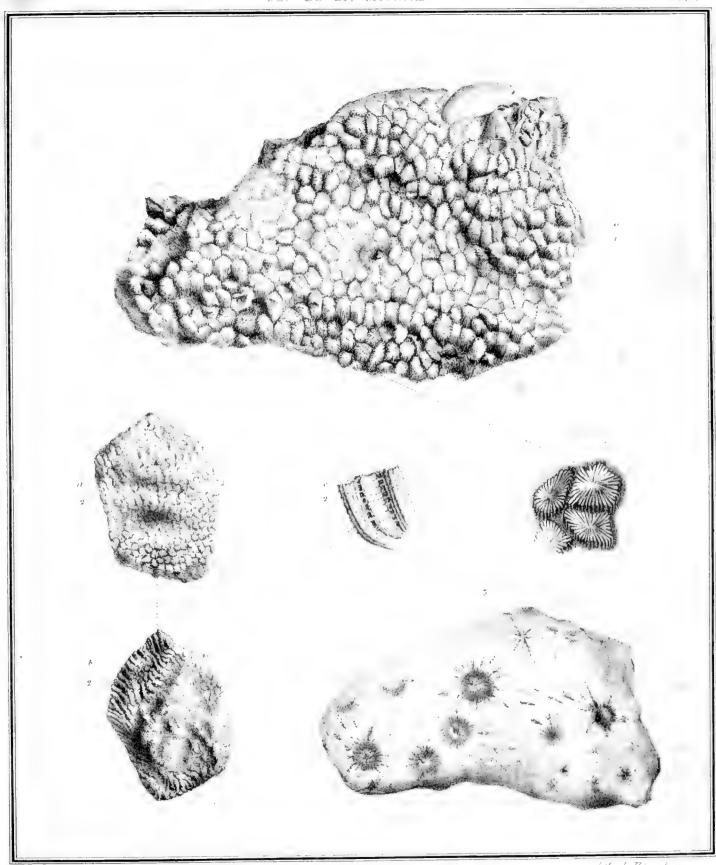
Supplied costate

10 Alecto dicholoma

Dinstopora verrucosa \_\_\_ scobenala

Goldfuss lamontona M. Edwards Michelin

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Indoore Michden on lan

Little de Thierre troses

1 Astrea pidygonalis

Michelin | 2 Saranula Archiacii 3 Spongia busica Michelin

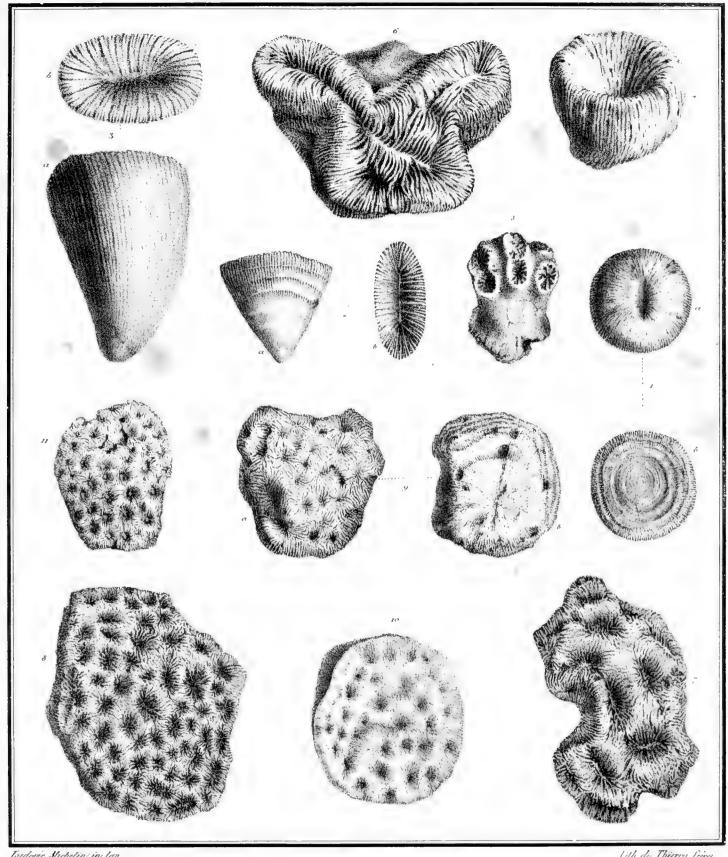
Michelin.

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## GRÈS VERT D'UCHAUX

DEP' DE VAUGLUSE





Ludovic Michelin in lap

Oydotites disceider Burbinetia compressa rudis

Caryophyllia glebesa

Blainville Lamarch Michelin

Dendrophyttia trevicautis Muheliw Lotephytka fequiene Astrea psaidomeandrina — lamettistreata

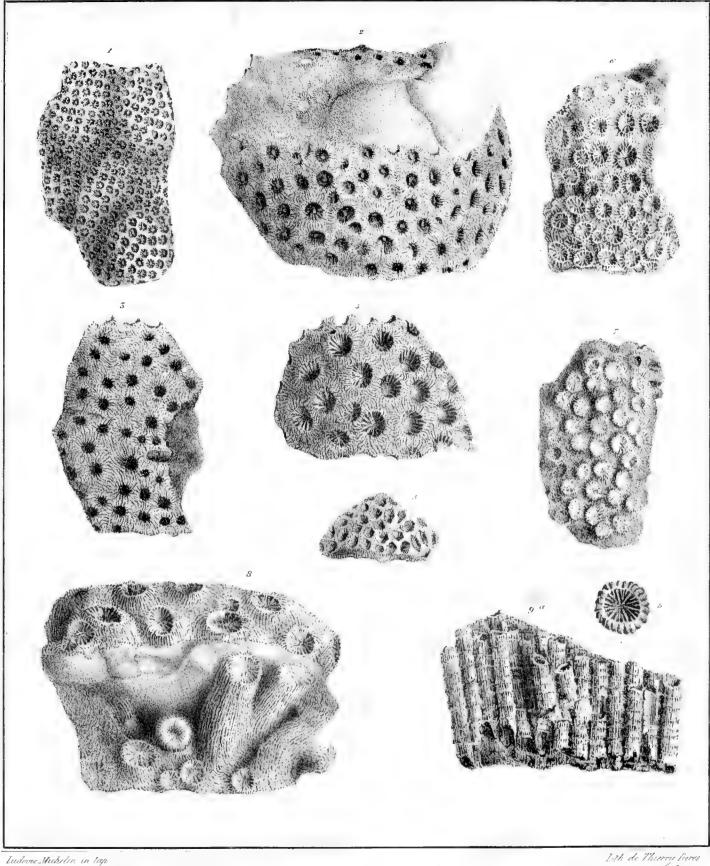
Astrea laganum \_ aguricites

munaxena

lith de Thierry fries Blanwille Goldfied Micheliu

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#### UCHAUX, DEP! DE VAUCLUSE



I Astron relivulata

2 \_\_\_\_\_terminaria

\_ putealis

Goldfuss Michelin

4 Astrea cribraria

Michelin \_sulvato-tamellosa/ \_\_

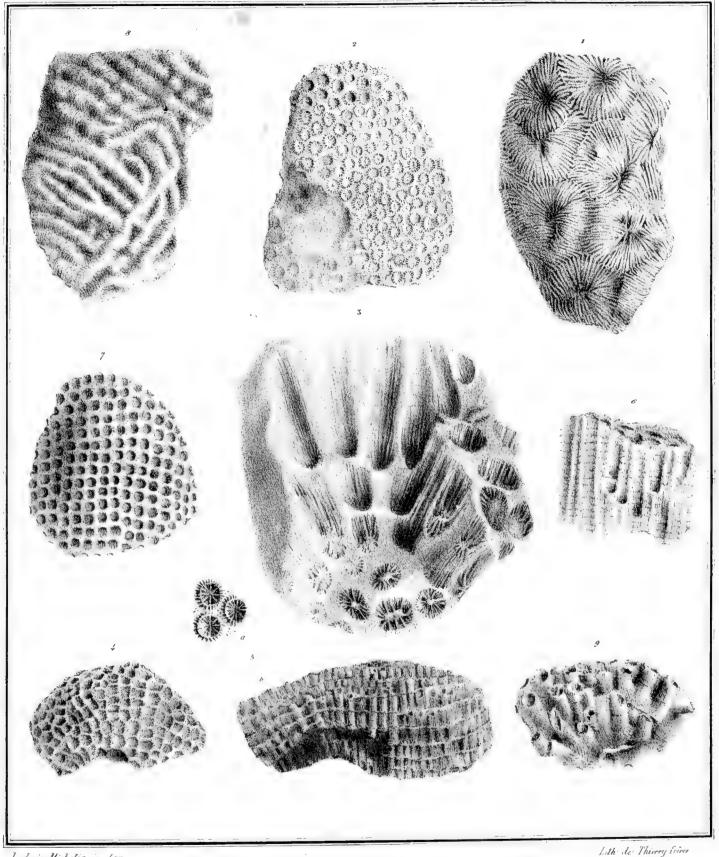
7 Astrea valliselausa

\_\_\_\_\_varians Stylina Bruauxu



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#### UCHAUX, DEPt DE VAUCLUSE.



Ludovic Michelin in lap

1 Astrea lamellosissima Michelin

\_\_\_\_\_ Delcresiana

\_ grandis

Sowerby

- Astrew formosissima
- Stylina striata
- Saranula favosa

Towerby Michelin

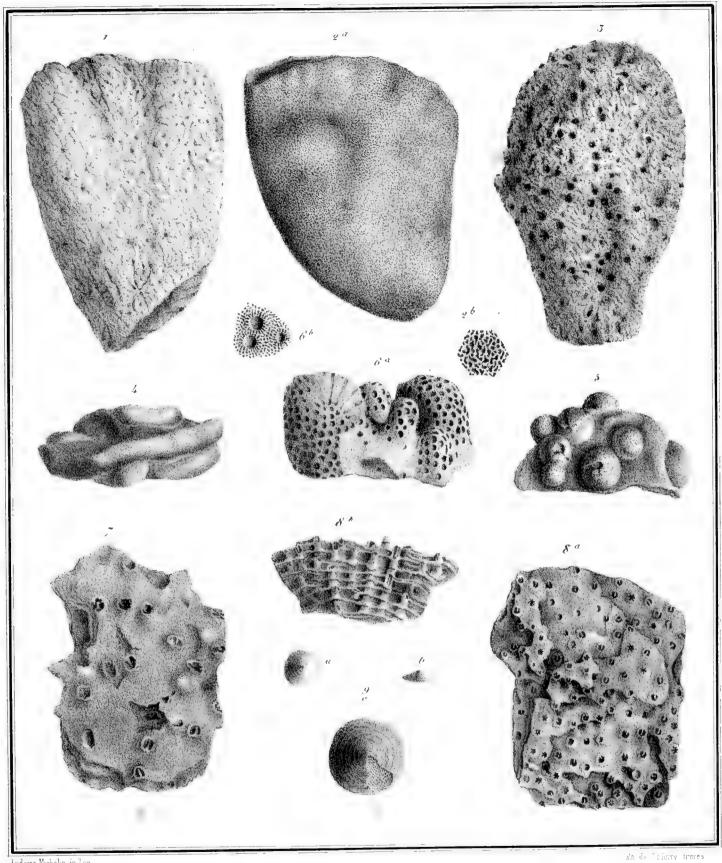
- Sarunnta' quinameialis Michelin. Mandrina Aransiaca
- Lithodeadren humite

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## GRES VERT INFERIEUR

UCHAUX (DEPT DE VAUGLUSE)

Pl.7.



Ludowe Michelm in Lag

2. \_\_\_\_\_ vola.

1. Spongia sulcataria Michelin

3 \_\_\_\_\_pseudosyphonia \_\_\_\_\_

5 \_\_\_\_ pilula 6 Hebiopora Blainvilliana

1 Spongia sanguisuga Michelin | 7 Shylina crassa tamella Michelin

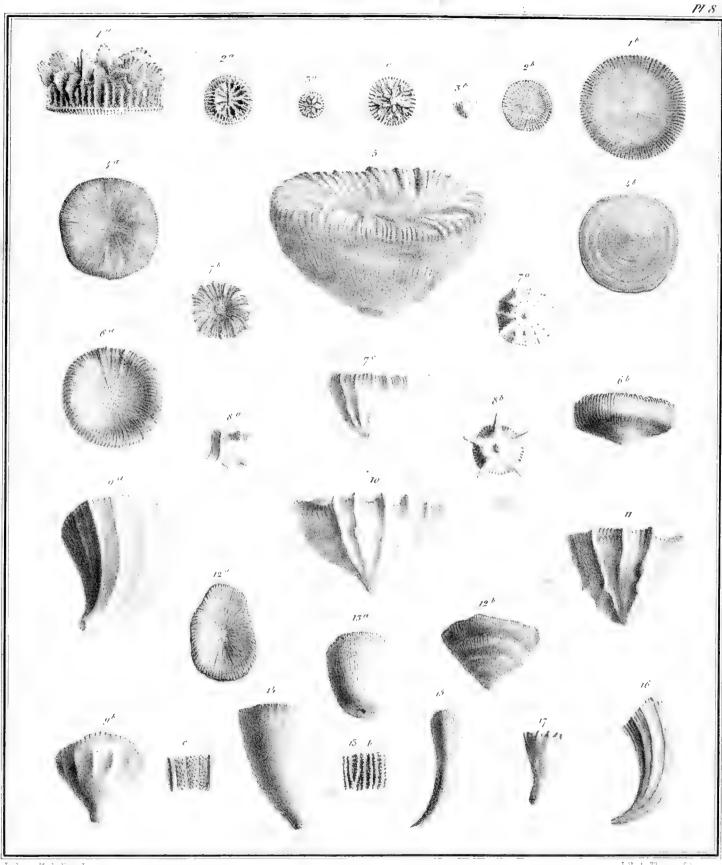
8 \_\_\_\_ Provincialis g Printeliles concava

Samarch.

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### GROUPE SUPRACRETACÉ

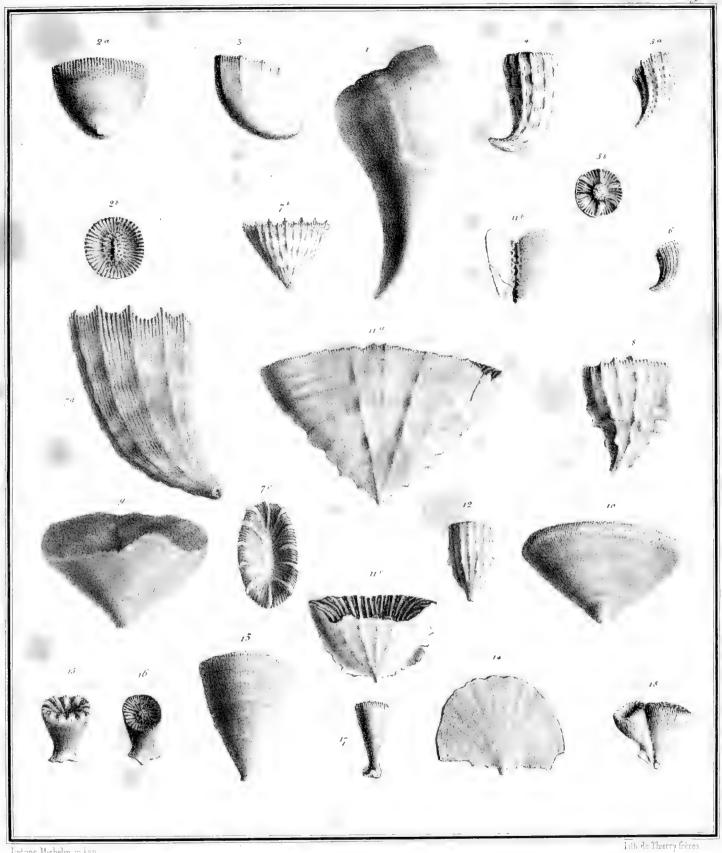
PIEMUNT ASTESAN, NICE ETC.



Lilh de Thierry frères Ludovic Michelin in Lap Michelin Michelotti Michelin 1. Stephanophyllea imperialis Turbmetia obesa 13 Turbinelia Sismendiana Michelotti \_\_\_\_ elegans. 8 armata. \_\_\_\_\_ clavus . \_ Haha raricostala \_\_\_\_ aytendrica . Michelin. Bellardu 16 \_\_\_\_\_ cernicopie Cydelites Borsonis Michelin . Michelotti. Jupheti pyramudatu. \_\_\_\_ Taurininsis Turbinelia Deshayes. Michelettii

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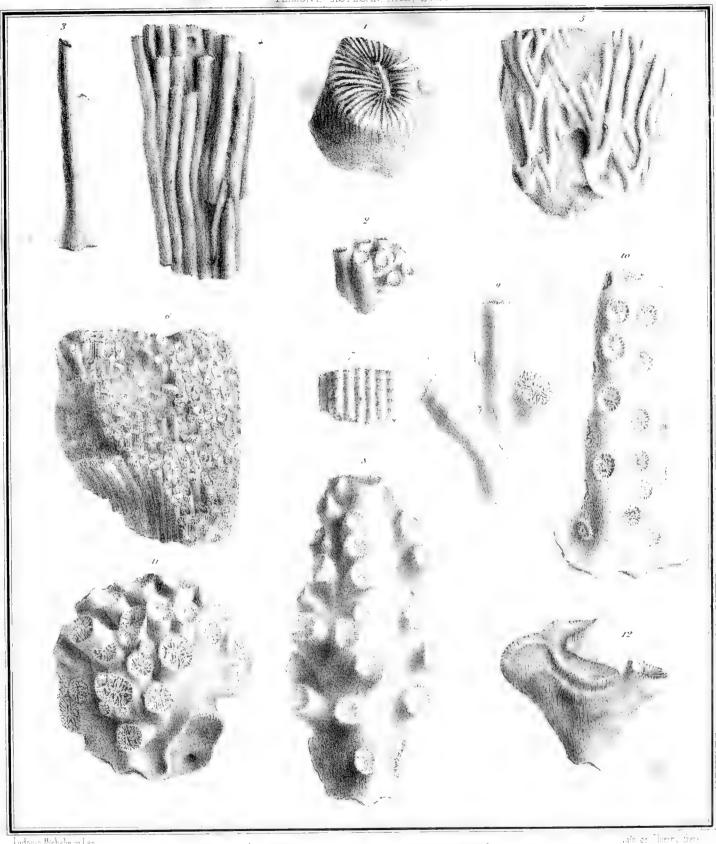
PIÉMONT, ASTESAN, NICE, ETC.



1	adovic Michelin	ın lap						Tith de Ti	luerry frères
		ia nrælonaa.	Michelotti .	7. Turbinelia	duedecimeostata	Goldfuss .	13 . Flabellum	cuncatum	Michelin.
		_ plicala .		8	versicostata.	Michelin.	14.	exlensum	
		Bellingheriana	Michelin .	9	sincusis		15. Carye phyllia		
	÷	_ undulata .		10	fimbriala		16		
	5	multispina	Michelotti.	n . Flabellum	aviala.		17.	. cyathus (V as min	er/Lamouroux
	6	mulliserialis.		12	appendiculatum.		18.	pseudoturbinotie	a, Illichelin.

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PIEMONT, ASTESAN NICE, ETC



Ludovie Michelin in Lap

Anthophyllum detritum . Lithodendron (texnosum

granulosum . manipulatum

Michelin

Goldfuss Michelin

Lithodendren intricatum thyrsifermis

Stylina strulu Dendrophyllae ramea

Michelin

Blainville

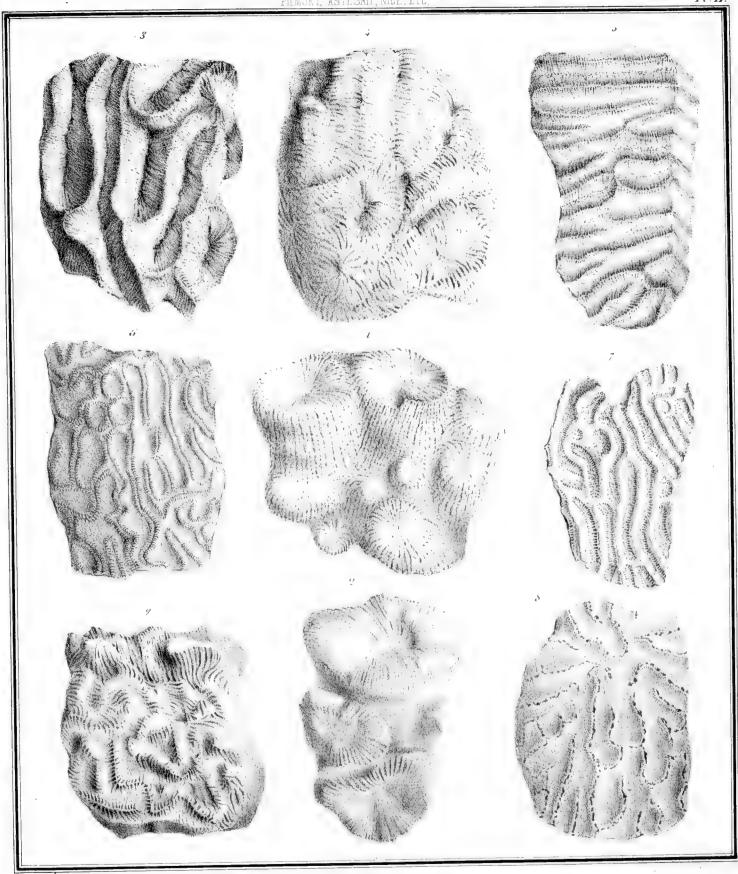
g Dendrophytlia cornigera

\_\_\_\_ digitales . 11 \_\_\_\_\_ cregularis 12 Lobophyllia conterta Blameille

Michelin

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ASTESAN, NICE, ETC



1 Lobophyttia granulosa

2. \_\_\_\_\_ depressa . 3. Meandrina profunda .

Michelin .

5. \_\_\_\_\_\_ phrygu 6 \_\_\_\_\_\_ bisunosa

Michelin Ramarch . Michelin .

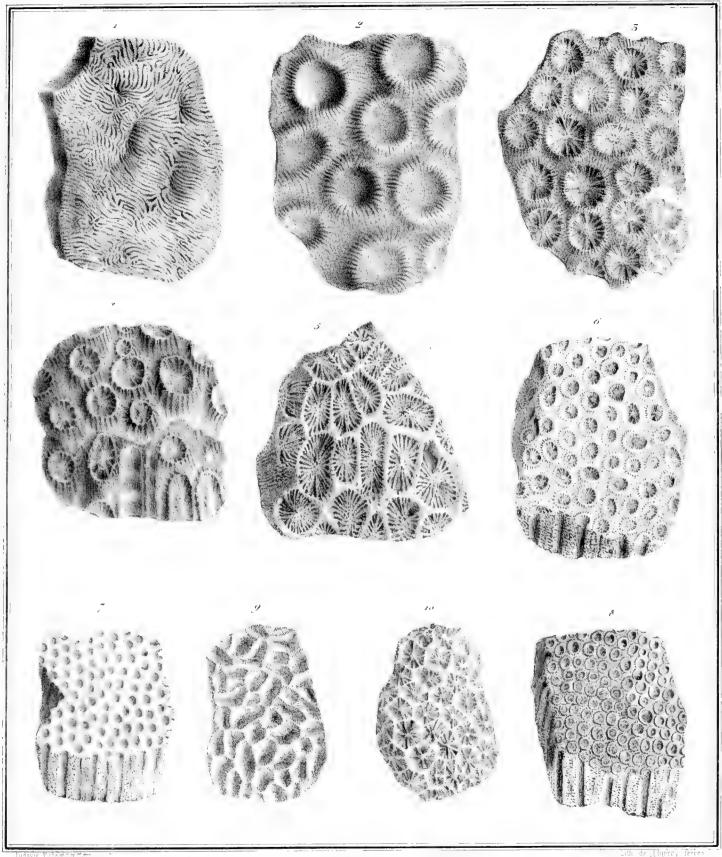
Mandoma filograna \_\_\_\_\_veluela .

Montialaria meandrinoides. \_\_\_\_

Sannarch Micholin

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PIEMONT, ASTESAN, MICE, ETC.



Lyaricia

Rochellina . Astrea Guettarde

Michelin . Apennina .

Defrance.

radiata . 4 Astrea deversifermis argus . plana .

Samarch . Michelin . Canwarch . Michelin

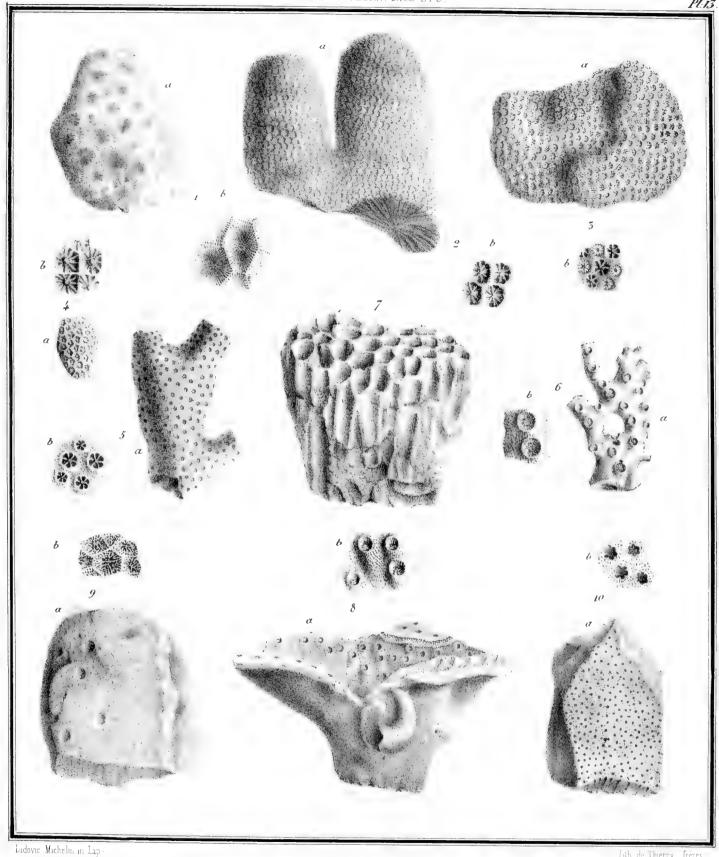
8 Astrea astreviles . veregularis polygonalis Blamville Blamville Oefrance . Michelin

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#### GROUPE SUPRACRETACÉ.

PIEMONT ASTESAN, NICE ETC





1. Astrea lunesta . al Brongniart . Astrea cenala 2. lobato-retundata Michelm . 5 \_\_\_\_\_ varistetta 3. \_\_\_\_ luninensis . \_\_\_\_\_ 6. Oculina virginea

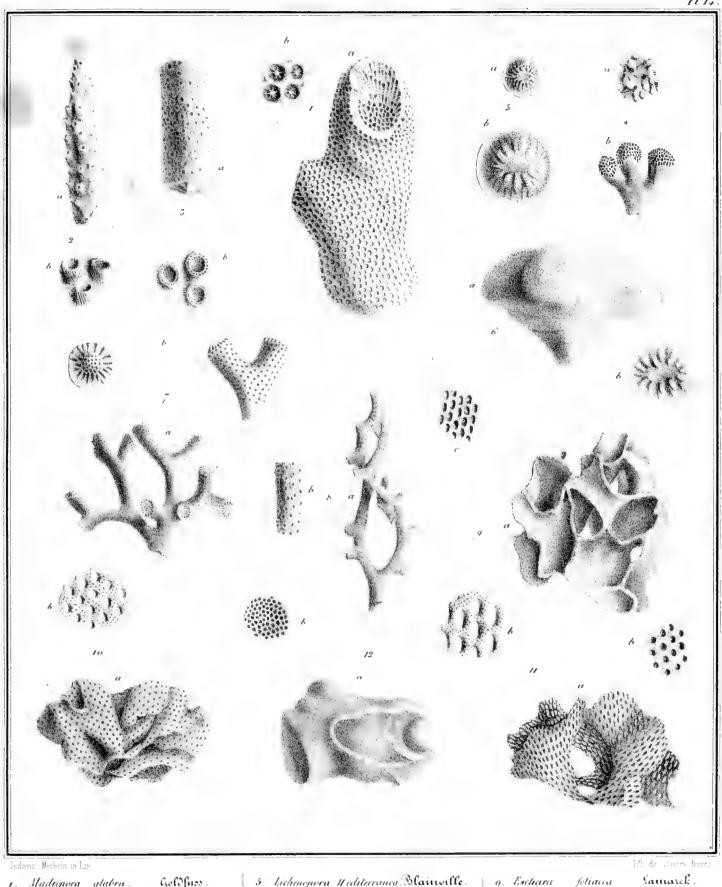
Michelin . Oefrance . Samarck .

7. Sarcinula gralissima Michelin .
8. Gemmipora cyaltifermis Mainwille .
9 Portus Allegniana . Michelin .

#### GROUPE SUPRACRETACÉ.

PIÉMONT, ASTESAN, NICE, ETC.





1. Madrepora glabra : Goldfuss : 2. \_\_\_\_\_ tavandulina Micheliu :

\_\_ exarala . 4. Frondipora Marsittii

Michelotti. Blainville. 5. hichenepora Wediterranea Blanwille.
6. \_\_\_\_\_ tuberesa . Michelin .

7. Myriapora truncala . 8. Eschara

Blainville.

lamarch.

9. Eschara 10 Retipera

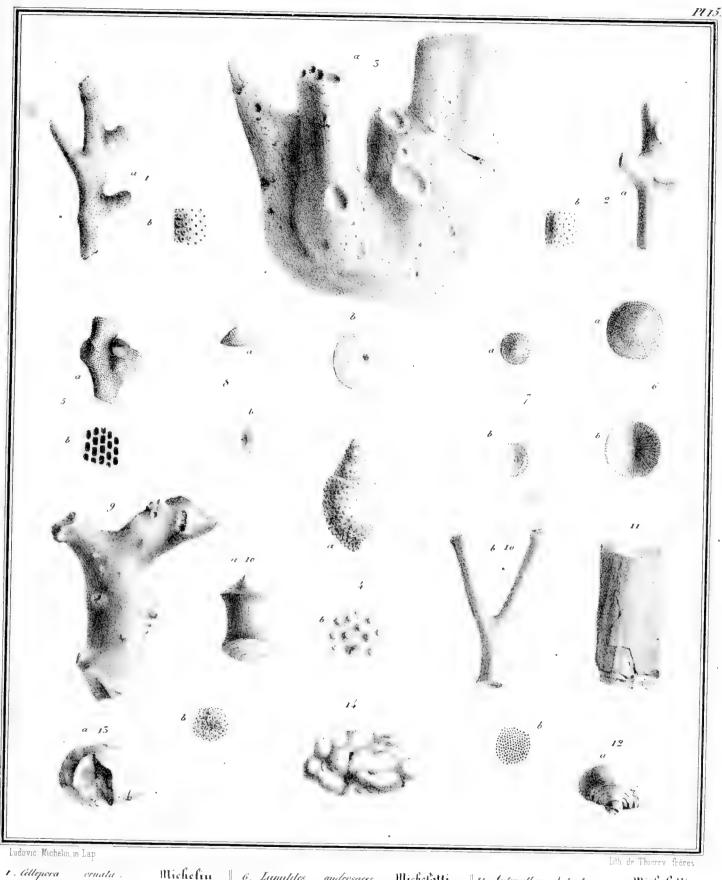
cellulosa 12 Cellepera

Camarck .

echinulata . Blainville. jumicosa . Camarek

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## GROUPE SUPRACRETACE.



Superquana

6. Lanutiles
7
8
9. Cerallium

andresaces, intermedia, umbellata pallidum, metitensis, Michelotti .

Oefiance .
Michelin .
Goldfuss .

11 Antyrathes 12 Tellria 15 \_\_\_\_\_\_ 14 Nullipora Netasta , Limptex , Lipicarium Laberosa , Michelotti Kamasek Michelin

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## GROUPE DE TRANSITION.

TERRAIN CARBONIFÈRE DE SABLE ETC (SARTHE). Pl.16

Ludovic Michelin in Lap

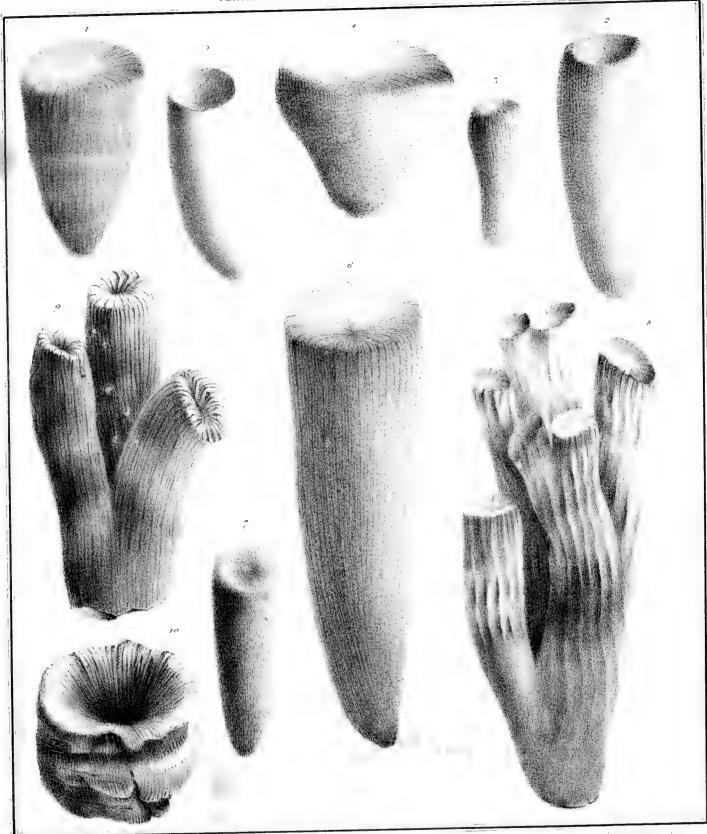
1. Caminia

gigantea . Michelin . | 2 . Harmodites catenatus

houinch . [3. Michelinia tennesqua. froninch

ith de Thierry france

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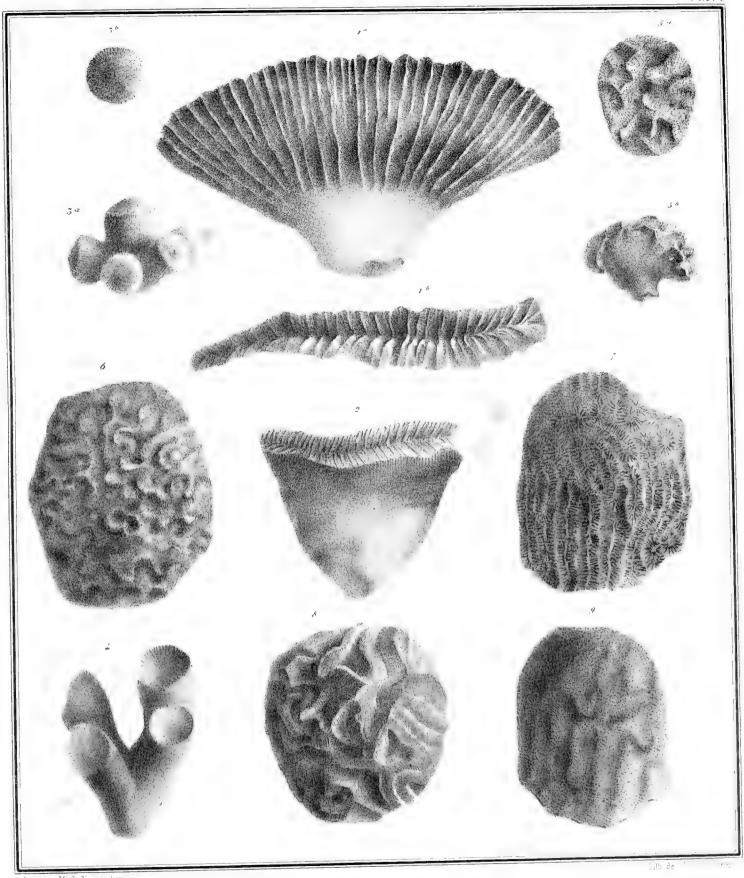
Lidovic Michelin in Lag

1 Cargophyllia Vorcanotaca Michelin 5 Cargophyllia dilatata Michelin 9 Environment 5 Cargophyllia dilatata Michelin 9 Environment 5 Cargophyllia dilatata Michelin 9 Inthophyllian excavatum 10 Inthophyllian excavatum

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#### GROUPE OOLITHIQUE.

TERRAIN CORALLIEN DE S' MIHIEL, ETC. (MEUSE)



Ludovic Michelin in Lap

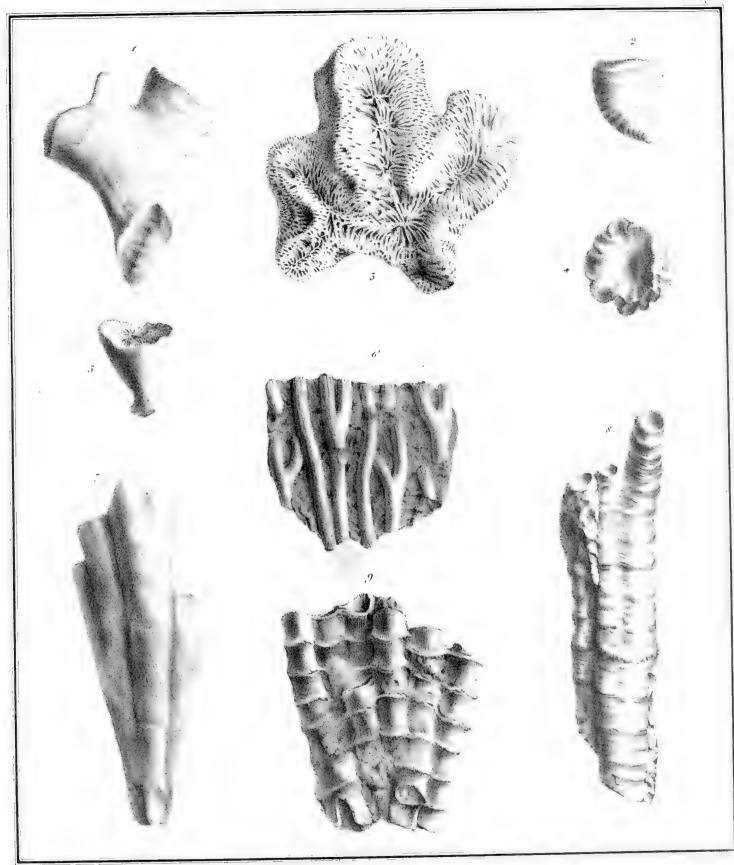
1 Lobophyllia flabellum . Michelin . Dendrephyllia dicholoma . Michelin . 7 Neandrina rastellina . 2 \_\_\_\_\_ pseudoturbinolia \_\_\_\_\_ . 5 Neandrina corrugata \_\_\_\_\_ . 5 Dendrephyllia glomerata . \_\_\_\_\_ . 6 \_\_\_\_ Edinarsii . \_\_\_\_\_ . 9 \_\_\_\_ Lamellodentata . \_\_\_\_\_

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# GROUPE OOLITHIQUE.

TERRAIN CORALLIEN DE S: MIHIEL, &: (MEUSE)

Pl 19.





\_\_ meandrinoides \_

Micheliu.

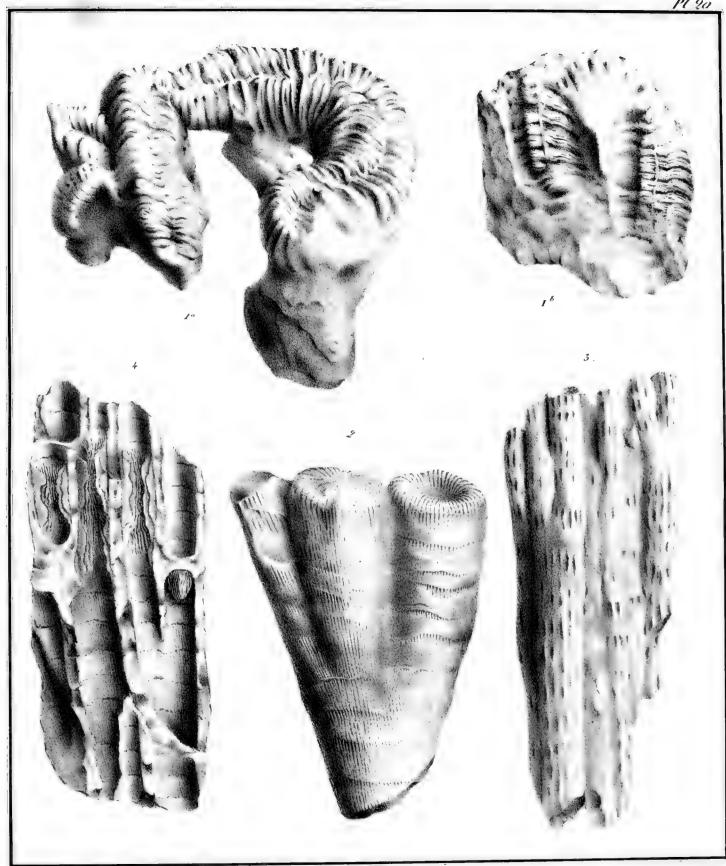
Pavonia elegans 5 Caryophyllia vasifermis 6 Lithedendren dichotemum + Pavonia

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#### GROUPE OOLITHIQUE

"ER: : ORALLIEN DE S'MIHIEL & MEUSE

Pl 20



budovic Michelm in Lap

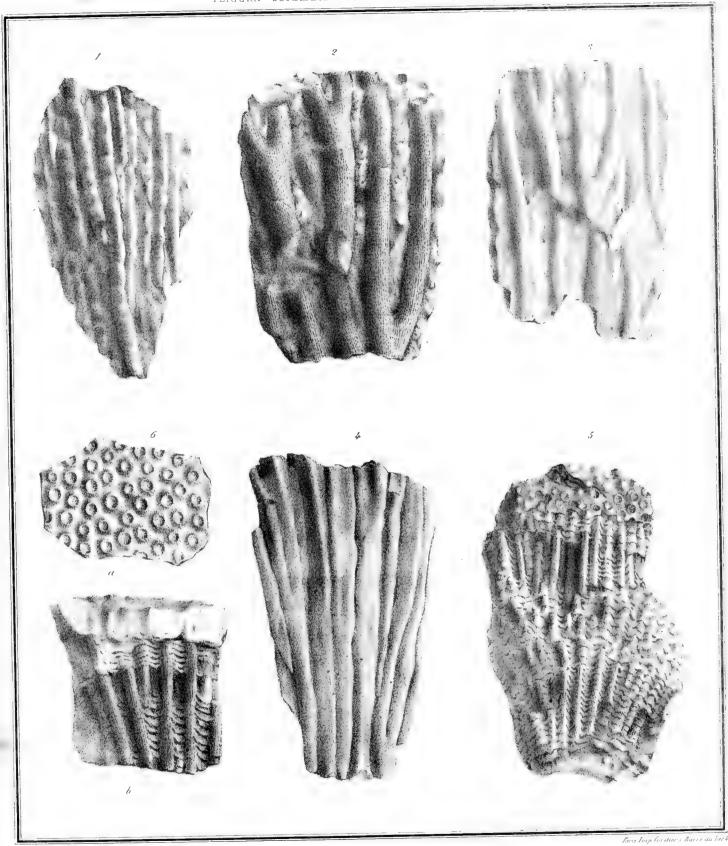
1. Lobophyllia Deshayesiana Michelin . 3. Lobophyllia aspera 2. \_\_\_\_\_ cylindrica \_\_\_\_ 4. Lithodendron pseudosi

pseudostylina

Michelin .

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GROUPE OOLITHIQUE.
TERRAIN CORALLIEN DE S' MIHIEL & (Meuse).



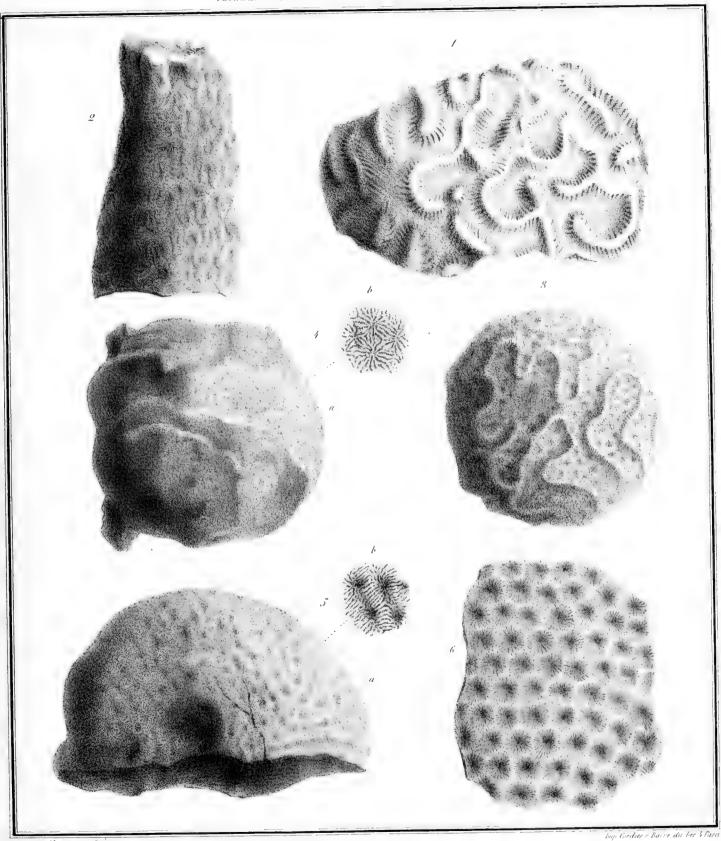
Ludome Michelin in lap

Z.	Lithodendron	articulatum.	Michelin.	4
2.		Edwarsii.		.5
.5		Moreausuceum.		6

4	Lithodendron	flabellum
5	Stylina	Gautardi.
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TERRAIN CORALLIEN DE ST MIHIEL & (Mieuse).



Ludovic Michelen in Taji

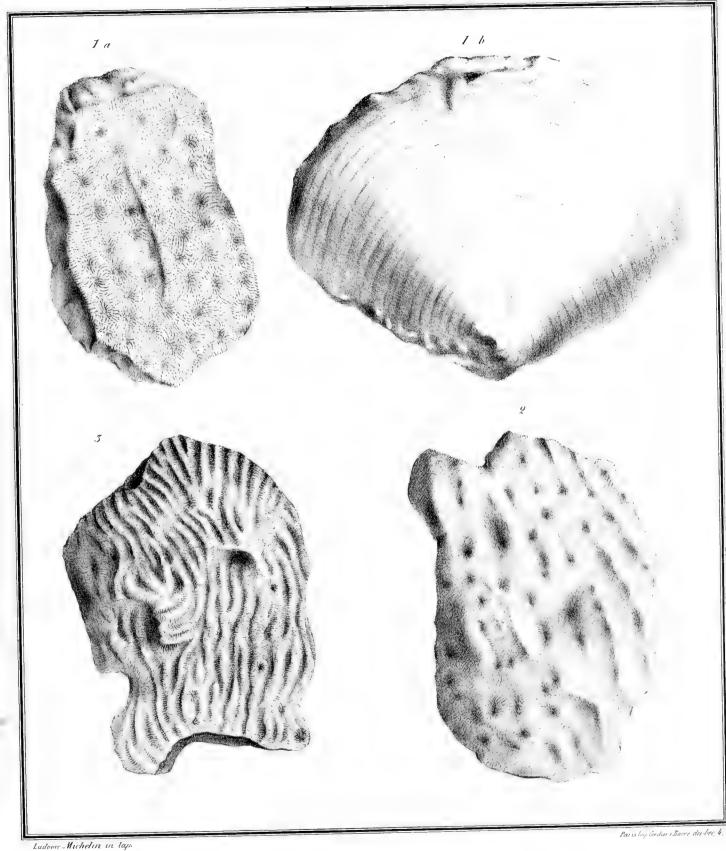
	montana Lotharinga	Michelin
	ineaudrinoides	

ž	Pavonia	hemispherica.	
5		tuberosa	
6	Agaricia	rotata	

Michelin Goldfuss.

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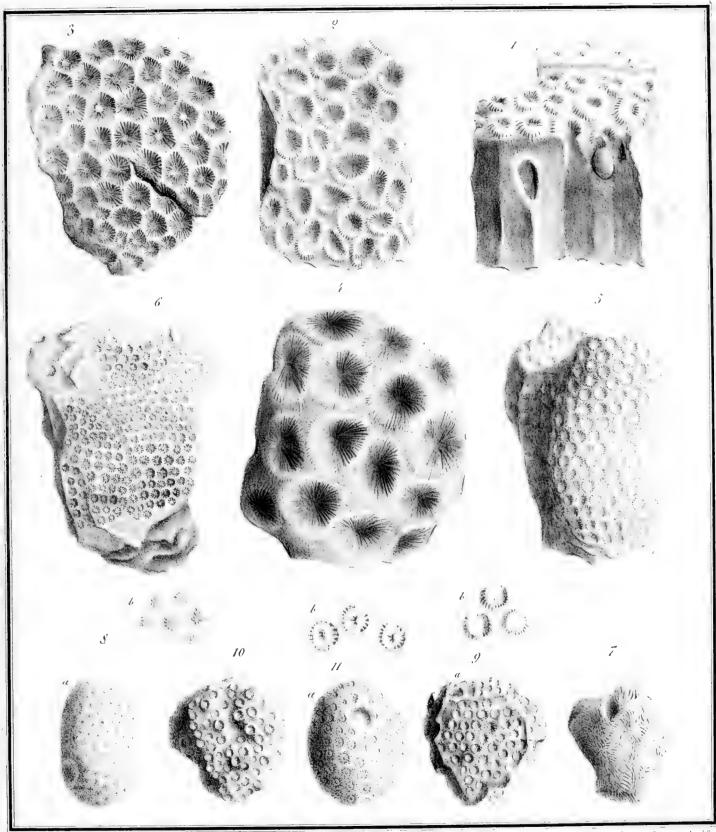
GROUPE OOLITHIQUE TERRAIN CORALLIEN DE S'MIHIEL & (Meuse).



1 Agaricia granulala 1 Nounstev 2 Agaricia Sommeringii 5 Agaricia graciosa Noicheliu



GROUPE OOLITHQUE
TERRAIN CORALLIEN DE S' MIHIEL & (Meuse).



Ludovic Michelin in lap

1 Astrea Lifotiana. 2 \_ \_\_\_ mrandriles. 3 \_ \_\_ helianthoides. 4 \_\_\_\_ Burgundia.

Michelin.

Goldfuss. Blainville

8\_

5 Astrea depravata 6\_ pentagonalis. 7 cristala Arancola

Michelin Miinstev Golofuss. Michelin

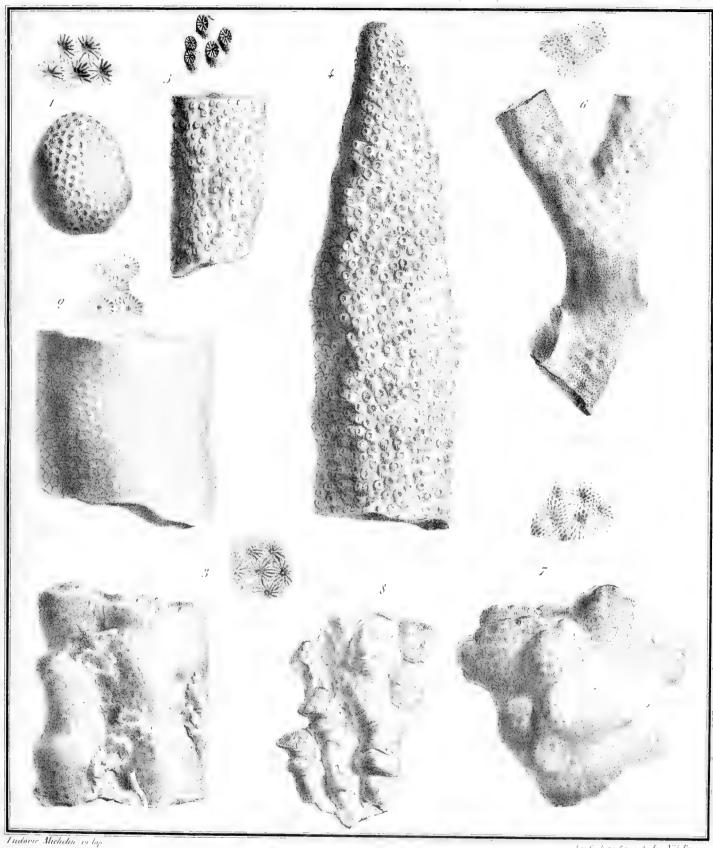
9 Astrea versalilis. \_ limbata \_\_ rotularis

Micheliu. Solofuss. Mircheliu:

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GROUPE OOLITHIQUE
TERRAIN CORALLIEN DE S: MIHIEL & (Meuse)



top to dier ; Barre da Bec A. Faris

3 Thamnasteria Lamourouxii 4 Madrepora Obelisais

Sandi Mihidi Michelin crassoramosa

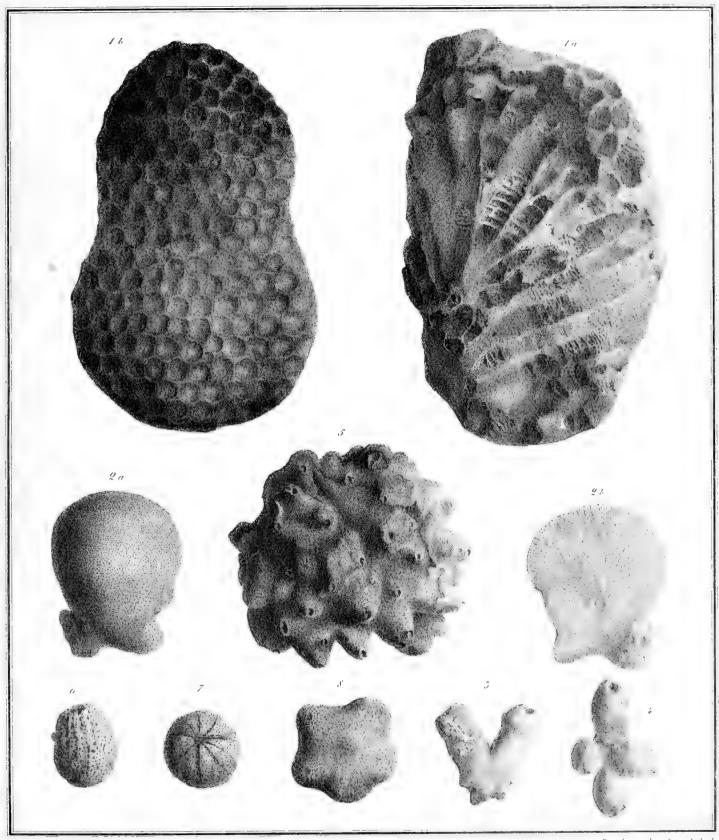
le Sauvage Michelin

5 Madrepora sublevis 6 Alveopora Ramosa 7 Tuberosa 8 nerustata incrustala

Mbichelin.

	5

# GROUPE OOLITHIQUE. TERRAIN CORALLIEN DE S'MIHIEL & (Meine)



Ludove Michelin in lap

Paro long torder & Barreda beck

1 Gyathophova Richardi 2 Chactites capılliformis 5 Spongia furcata lagenaria

Michelin

lamonroux

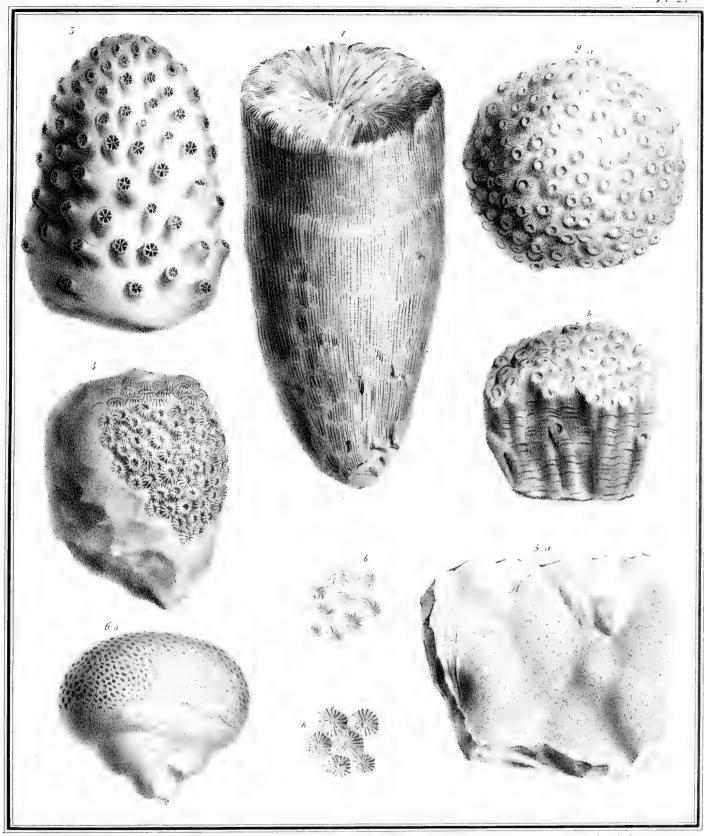
5 Spongia 6 Gueindiaan

mamillaris pisiforme Rotula Stellalum

lamonronæ?. Phichelin Goldfuss.

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#### GROUPE OOLITHIQUE.



Ludovic Michelin in Lap.

1. Caryophyllia Calvimontii 2. Astrea lubulosa

Lamouroux Goldfuss .

3 Astrea

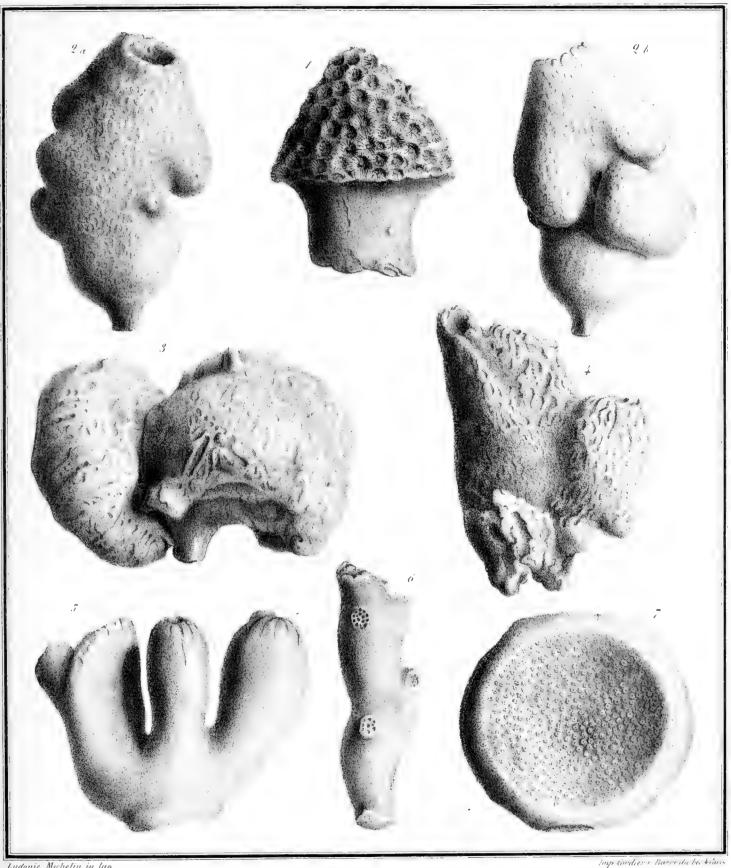
lumalaris (astellum

Michelin

5 Agaricia lobala 6. Astrea trochyfermus

Goldfuss . Michelin

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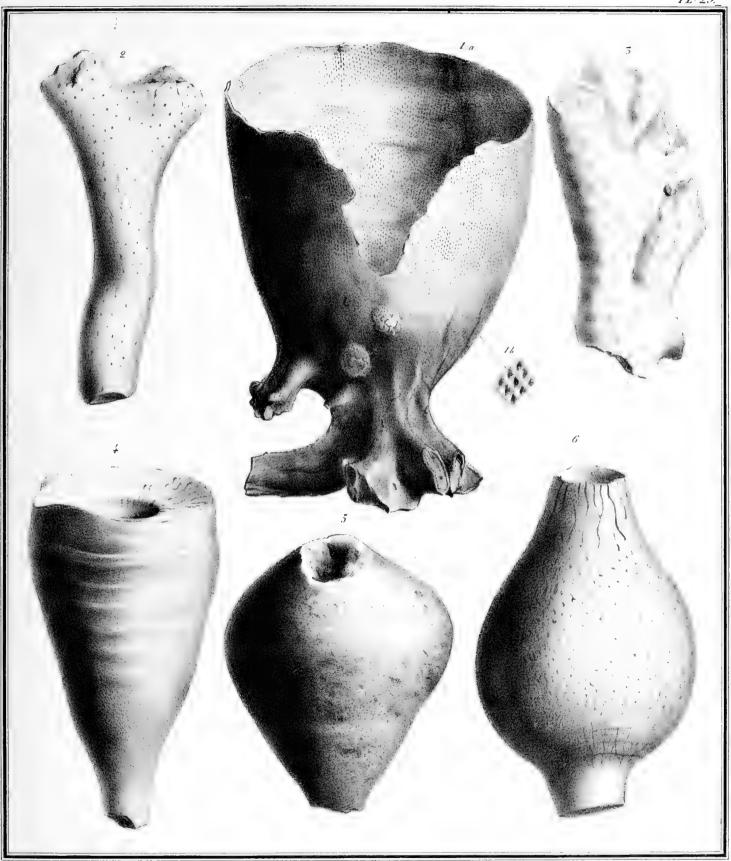


Ludovic Michelin, in lap

- Michelin.
- 5 Scyphia dicholoma
- 1 Astrea coniformis. Moicheliu. 5 Scyphia dicholoma 2 Scyphia trilobala. 6 Siphonia ramosa 3 (nemidium crassum. 4 Spongia sulcataria V. inflata Moich. 7 (henendopora marginata



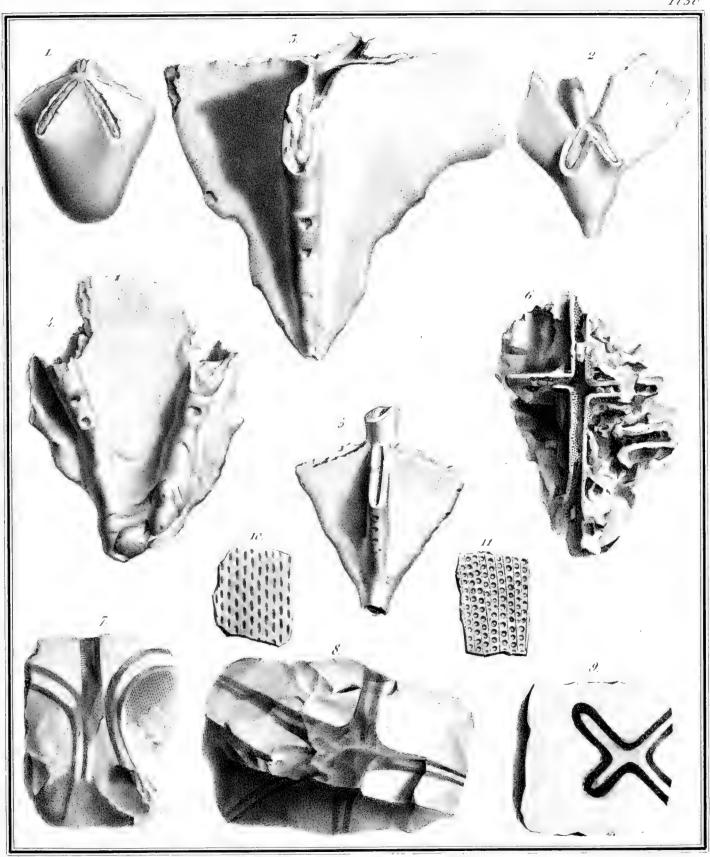
#### CRAIE CHLORITEE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &:



Ludovic Michelin vi Lap.

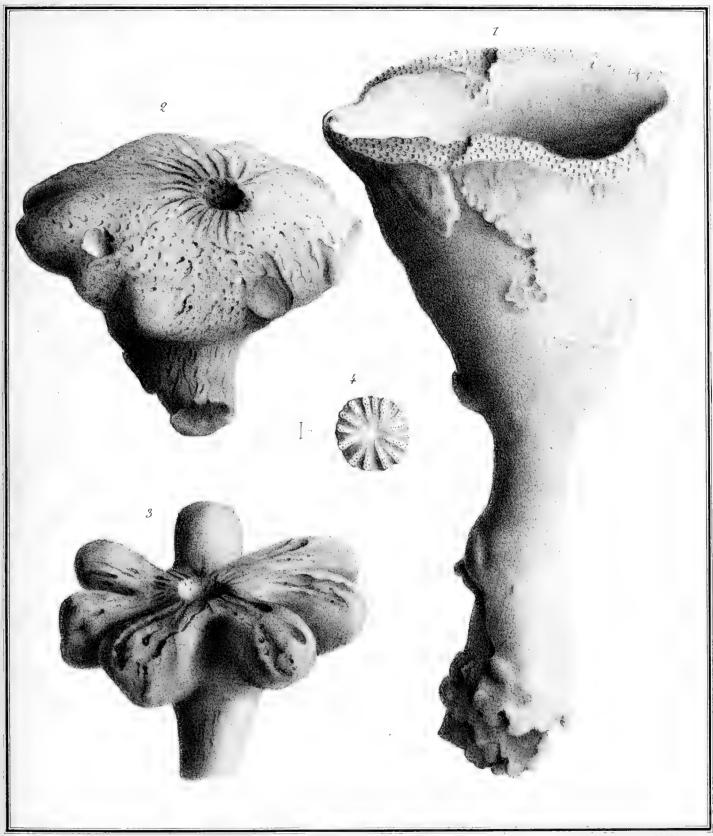
1 (ocnopora infundibuiliformis Golofuss. ? Spongia multiporetta : Mischeliu 3 Nultipora mamillifera :

Scyphia terebrata. Siphonia ficoidea Scyphia littoni



Contrardia stellata Michelin

#### CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &



Ludovic Michelen ve lap.

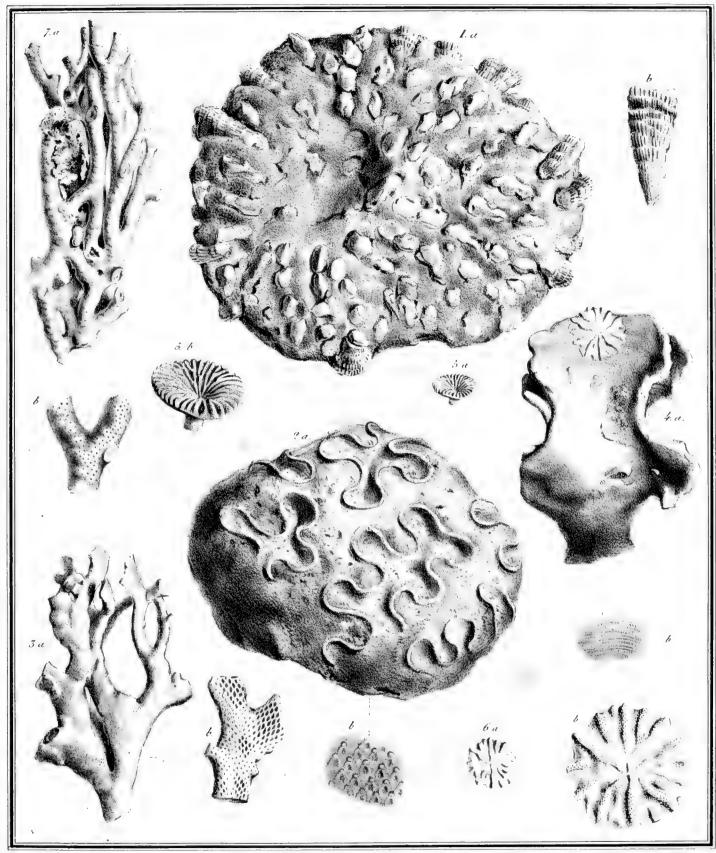
1 Chenendopora Parkinsonis, Morcheliw. 2 Hallirhoa brevicostata.

3 Hallirhoa costata. Lamouroux. 4 Tubulipora Brongniartii. Mb. Edwardo?

Imp Gordier + Base du-Rec 4 à Paris

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#### THE TAX OF LARNE, D'INDRE & LOTTE, DE LOTE & CHELL &



Ludovie Michelin in Lap

1 Polypotheria Flouriausii Michelin

2 Eschara . lubyrinthin

Guettarelia Velugia

Heustriaca

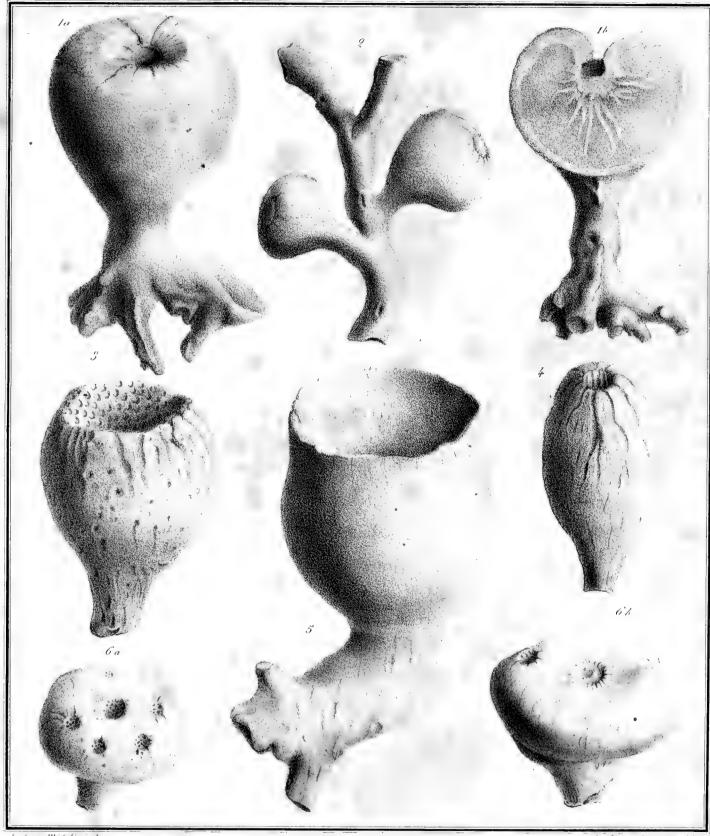
Michelin

6 Tubulipora elegans

Michelin

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#### CRAIE CHLORITÉE, DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER 84

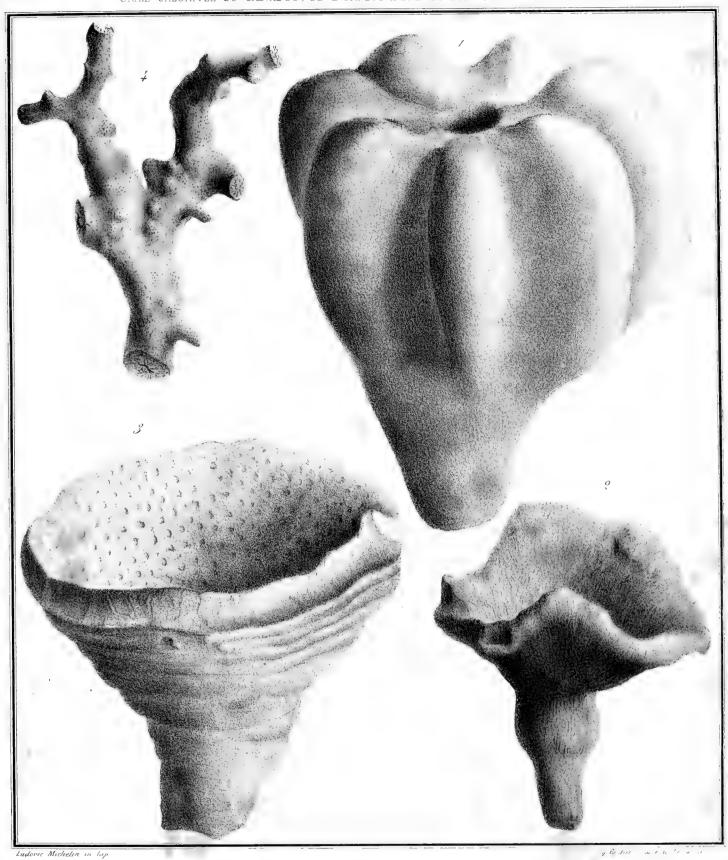


Imp Cordier i Raice da ce. & la in

1 Siphonia pyriformis. Soldfuss. 2 — arbuscula, Michelin. 3 Jerea excavala,

4 Siphonia nuciformis, Michelin 5 Chenendopora pocillum. 6 Siphonia multioculata

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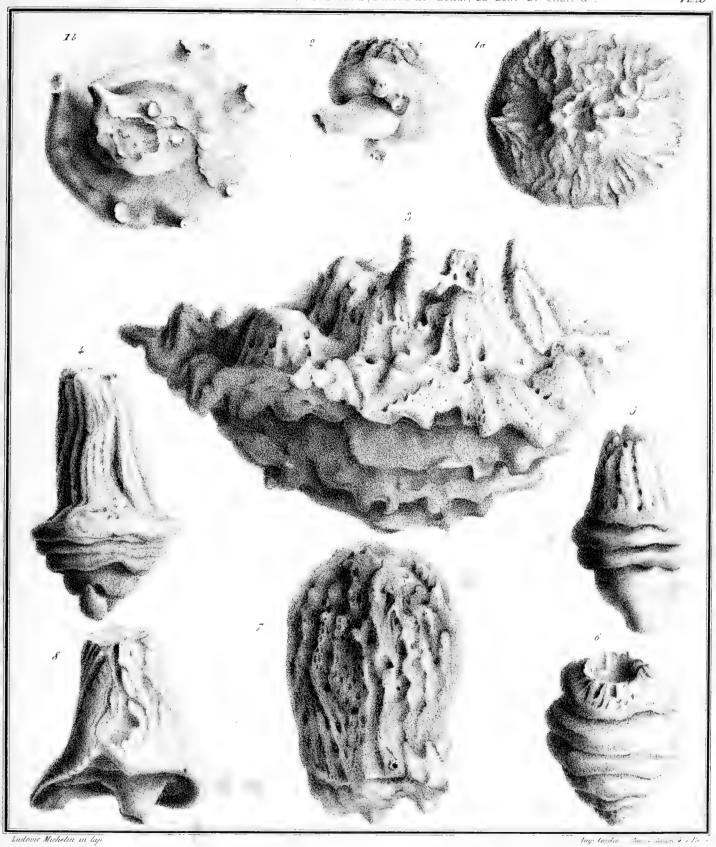


1 Hallirhoa Tessonis, Noichelin ? Chenendopara fungiformis. Comouroux

3 Chenendopora undulata. Noicheliu. 4 Meteropora digitata.

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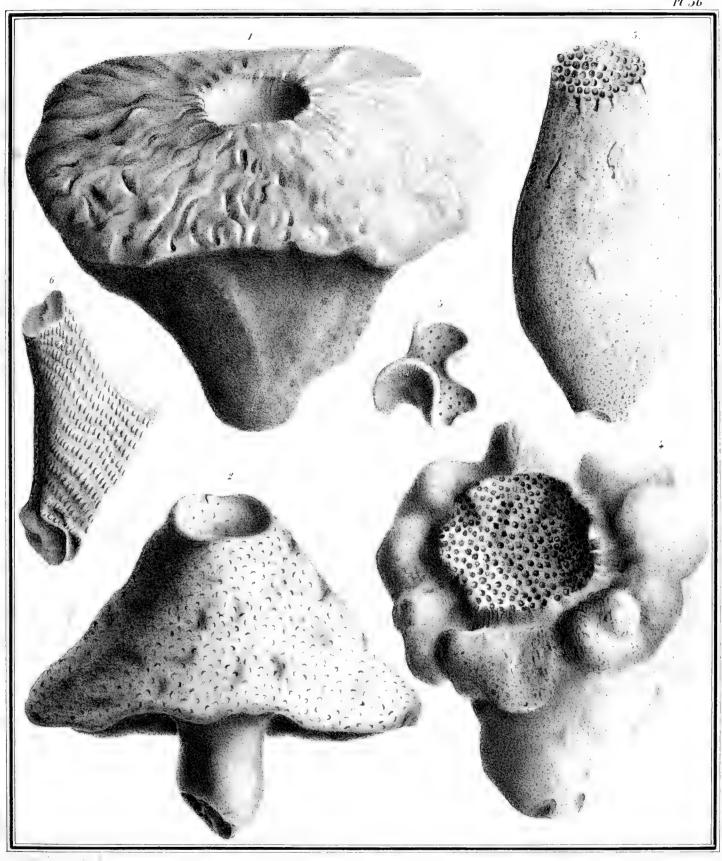
# CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &ª.



Turonia variabilis. Michelin.

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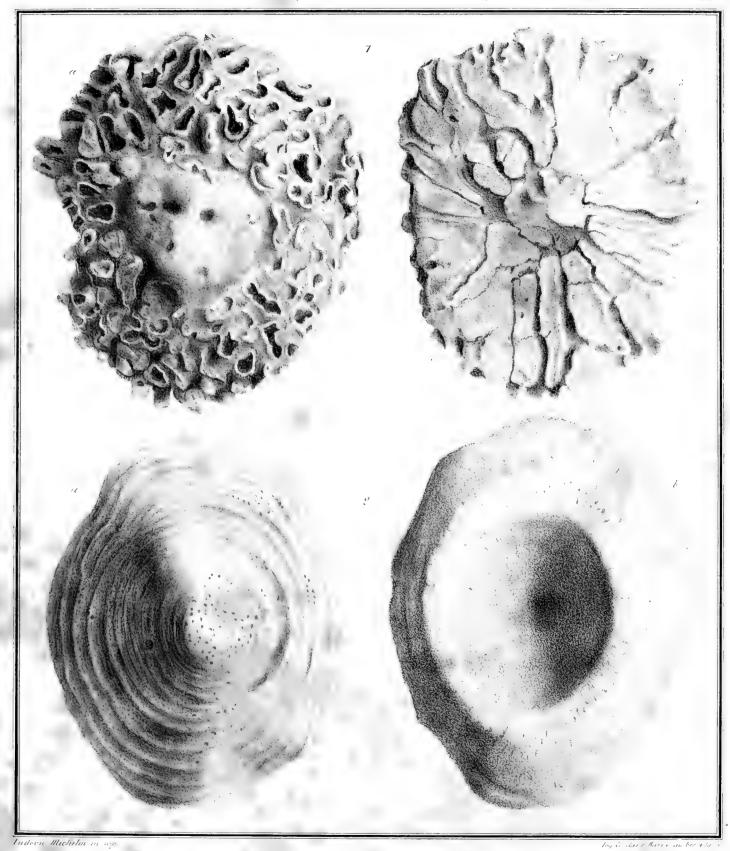


<sup>1.</sup> Hippatimes Reissyn Michelin . 5 Jerea pyreformis Camouroux . 5 Spongta
2. \_\_\_\_\_ fungoides Lamouroux . 4 \_\_\_\_ mutabilis Ochance . 6 Relopora

perira Michelin cylindrica

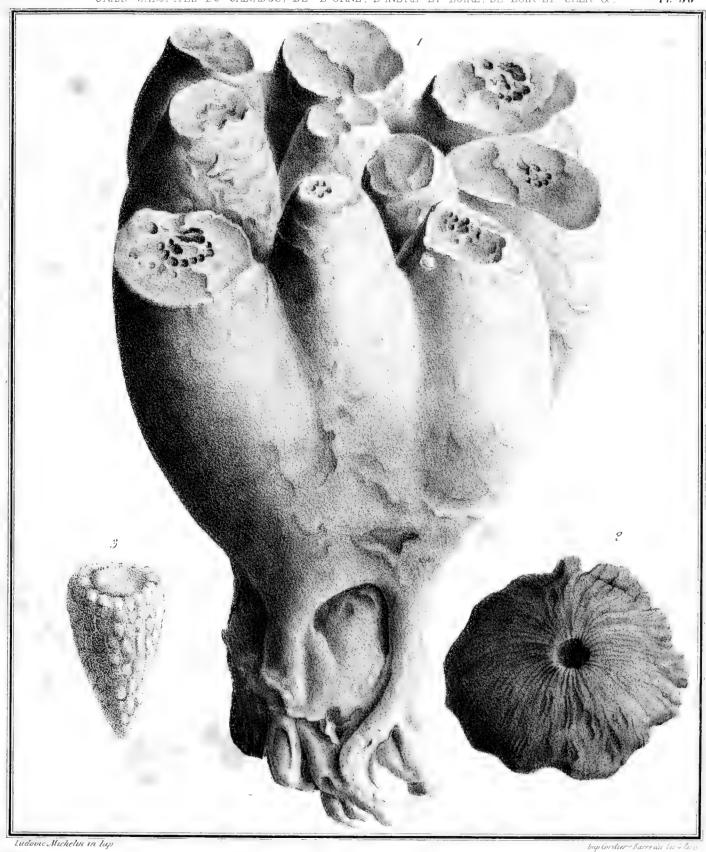
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## CRAIE CHLORITEE, DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &ª



1 Polypothecia Pictonica Michelin. ? Chenendopora patereformis. Michelin

# CRAIE CHLOPITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER & ...



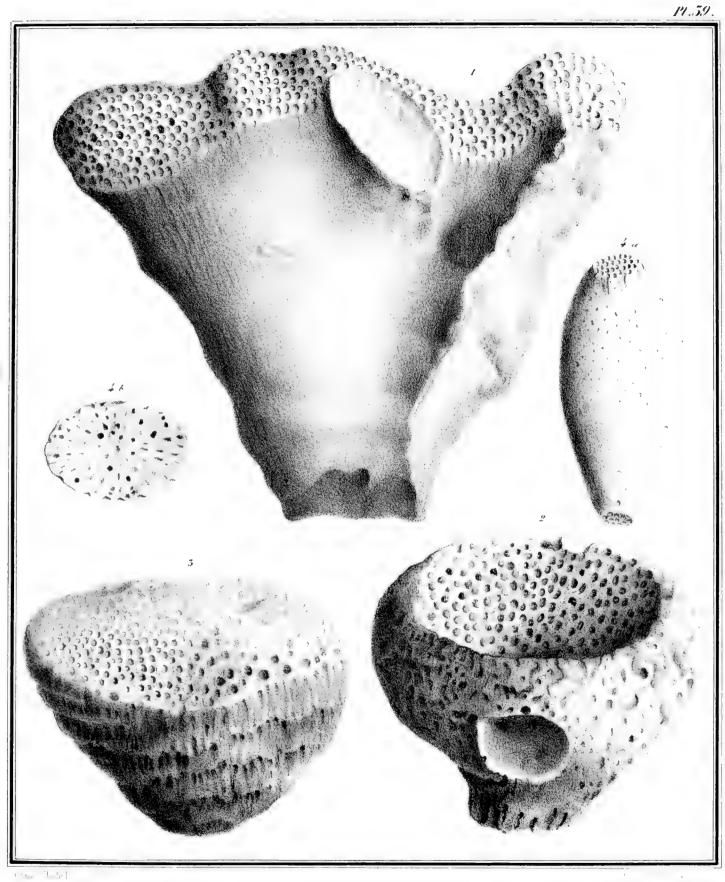
1 Jerea gregaria

Michelin 2 Siphonia acaulis 3 Ventriculites Benettior Mantell.

Michelin.

.....

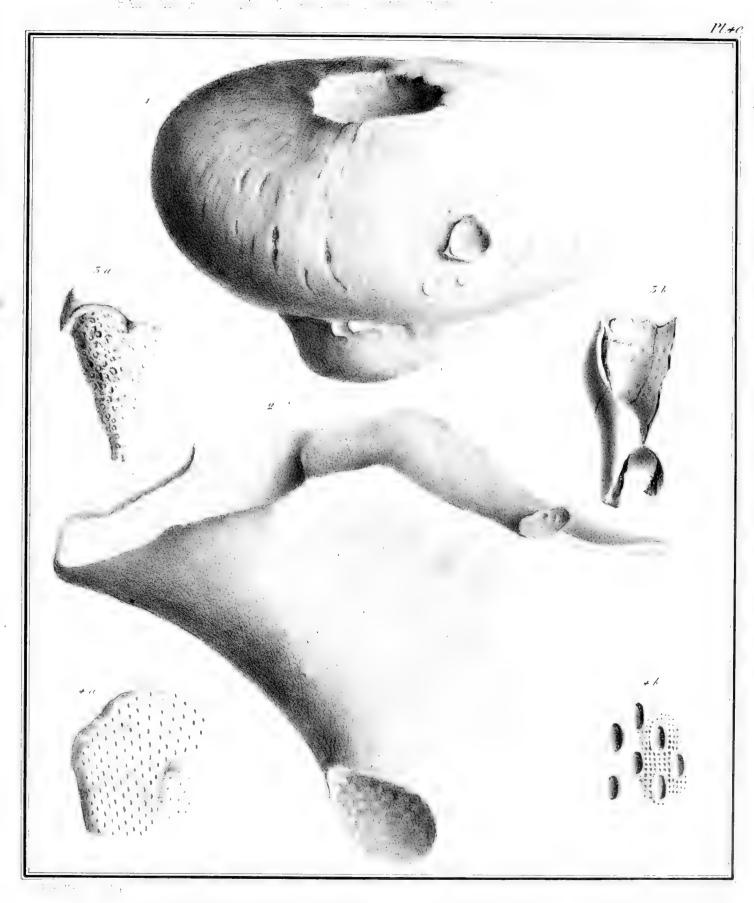
# The state of the s



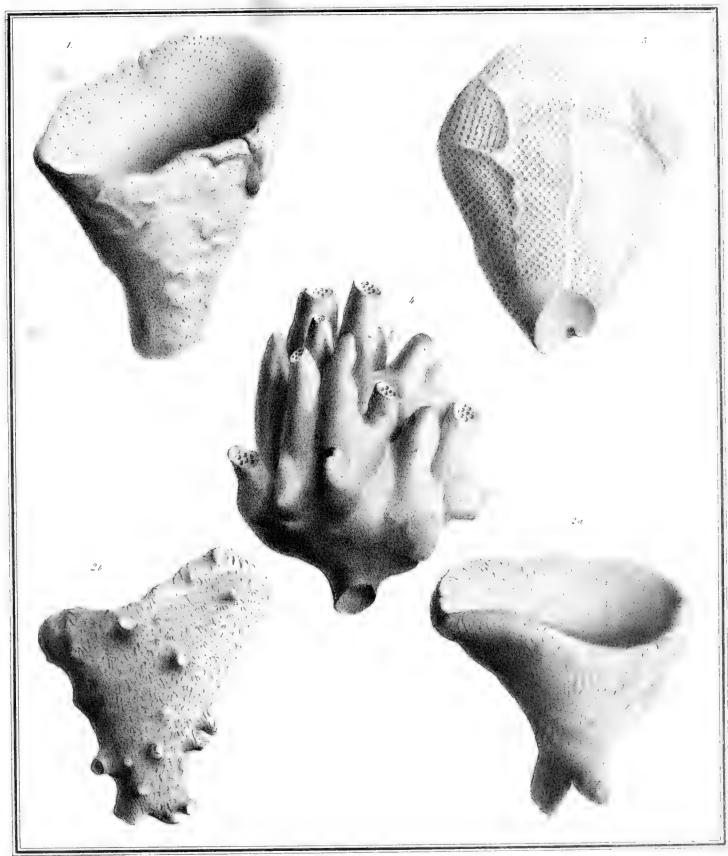
1. Jerea Disnoyewii Michelin' 2 \_\_\_ excuvatu

Torea tuberosa \_\_\_\_\_ etongala

Michelin



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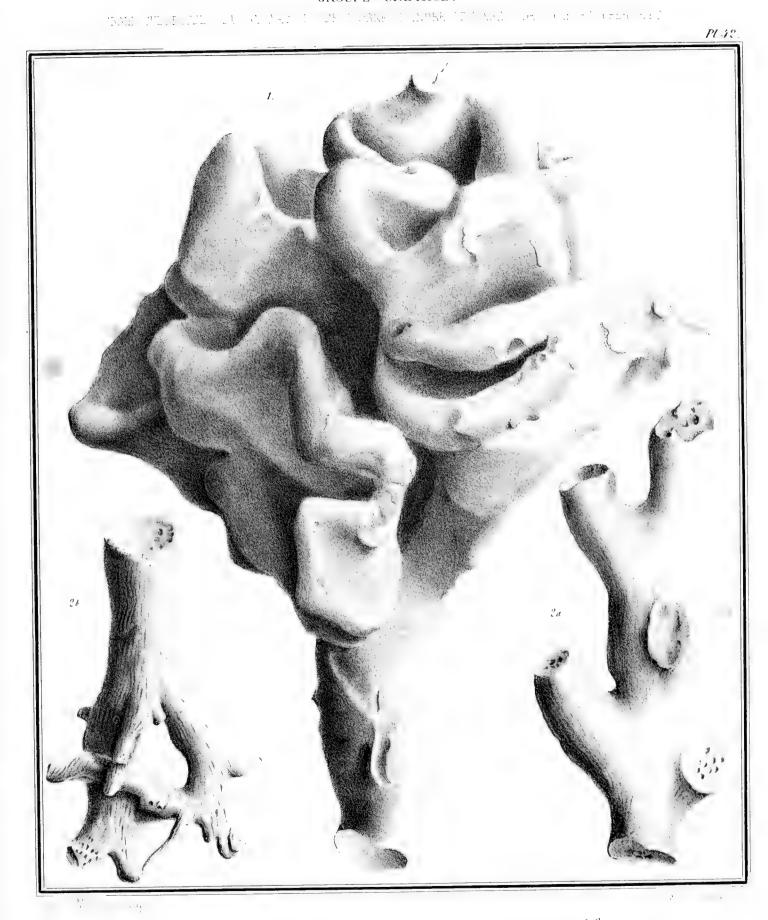
Ludovie Michelm in Lap

Chenendopora Sutplena Michelin.

5. Ocellaria nuda 4. Jewa cespitosa

Ramond. Michelin

•	

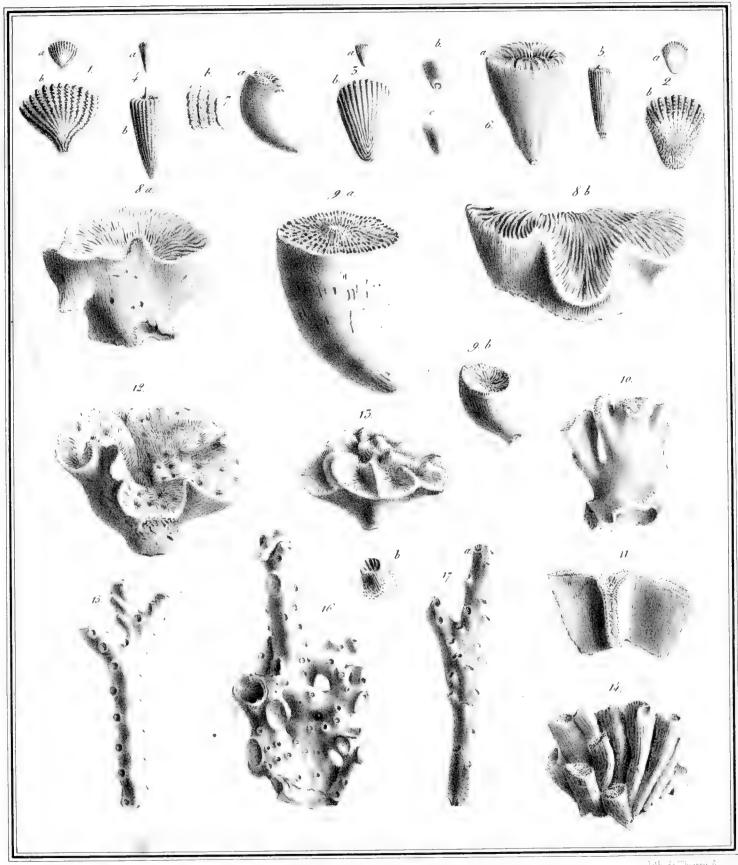


1. Spongua contorto - lobata. Michelin | 2. Jerea arborescens Michelin

.

# GROUPE SUPRACRÉTACÉ

BASSIN PARISIEN



Ludovic Michelin in Lap-

Turbinolia crispa. 2 3. mixta.

Lamarck. Michelin: Wefrance Lamarck Defrance. \_ sulcata \_dispar

Turbinelia elliptica \_\_\_\_ (mavesii .

Anthophyllum distertum Caryophyllia truncata Doudrophyllia variosa. Voutina varistolla

· Hadrpera ernata

Al Brongmat // Michelin /2

Defrancé.

Letephyllia Parioienoio Agaricia infundibutefemie Mandrina Valmendoisiaci Lethedindren vregulare Oculina Sclanderi

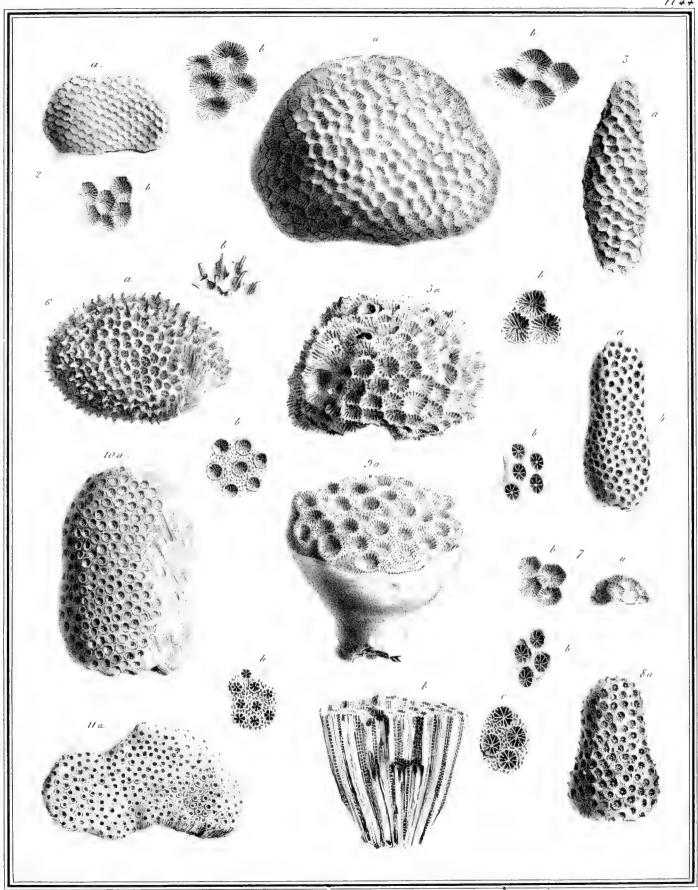
Michelin

Defrance.

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# GROUPE SUPRACRÉTACÉ.

... N FARISIEN



Ludovic Michelin in Lap.

Lith de Thierry fri . .

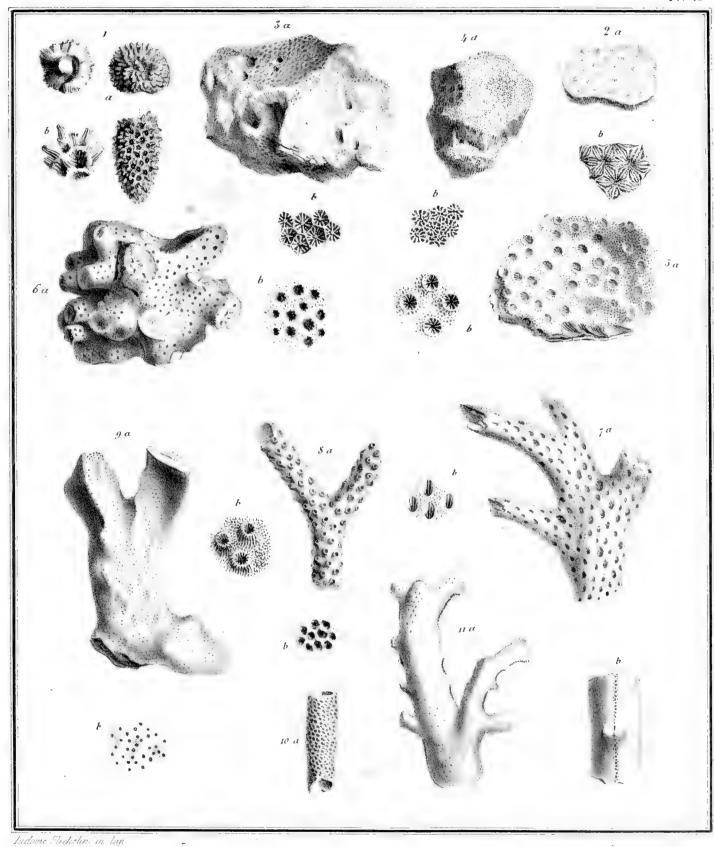
2.	bellula .	Michelin.	6.	Astera hirtolamellata emarciala	Defrance	9 . Astrea 10	Auvertiaea	Michelin
3.	Ameliana	Wefrance.	7.	erispa .	Michelin	//	panicea	
	autinderica.	r	15	decorata		1		

	•

#### SUPRACRETACE. GROUPE

BASSIN PARISIEN,

Pl. 45



Hystria . 1. Astrea

4. Porites

tessellata . microstella

Deshayesiana \_\_\_

Defrance | Michelin

8.

5. Gemminora 6. Heliopora

7. Madrepora

asperrima deformis .

Solanderi Gervillie

Michelin

Defrance

9. Palmipora 10. Alveoliles Solanderi .

Parisiensis 11. Distichopora antiqua . Michelin

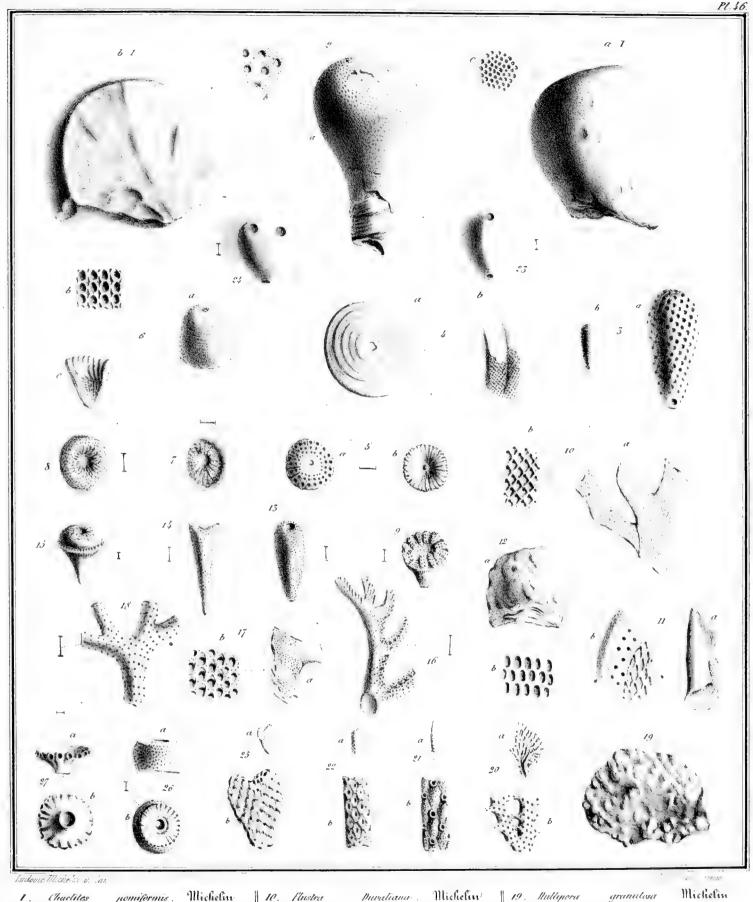
Wefrance

·				

SUPRACRÉTACÉ. GROUPE

BASSIN

PARISIEN



1.	Chaelile
2.	Geodia
3.	Dadyloj
4.	Orbetoli
3.	Lunutile
6.	

Tubulyeera

Lichenepera

pomiformis . pyreforms cylindrica complunata radinta . urccolata Orignonensis.

stelliformis . Defranciana .

Michelin lamarch

Michelin

Hustra Duraliana . Eschara nulleperacia 11. Membranipora philostraciles. 12. 15 Polytripa elongula . Acialaria Pavantina 1% Turbinea 15 graciosa 16 Almonea cerenopus 17 Eschara excavala

Hornera

hippolythus

Michelin M Edwards Michelin Wefrance J'archiac Midielin Defrance

Michelin

Wefrance

19 Mullypora Retepera 20 21

Vincularia 22 Vaginopora

Ovaleles 23 2% l'schara 3

Vieria

(lypema

26

margarilacca damacornis

marginiperella

encrinella

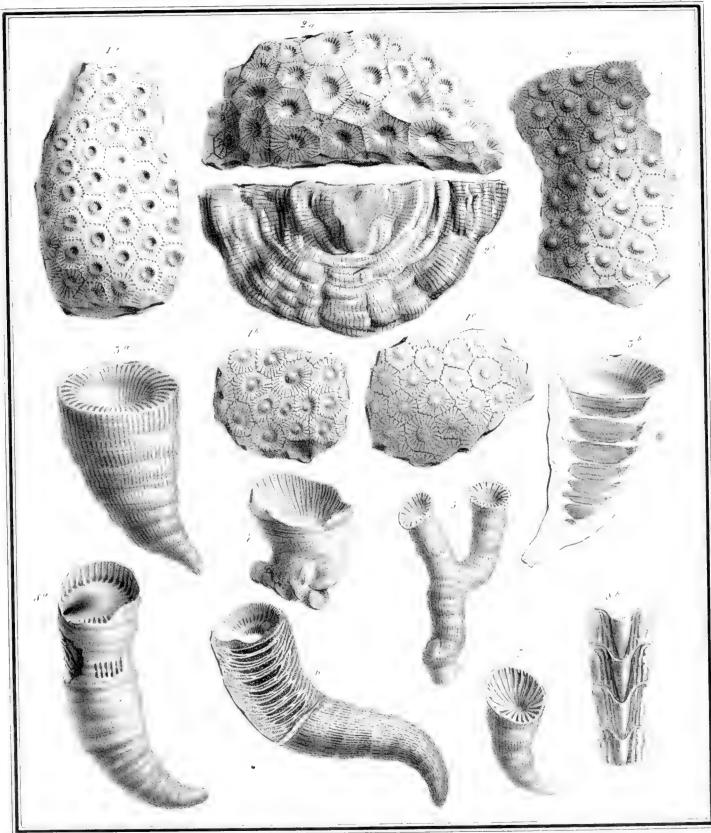
Ferussacii

frageles

Lamarch Vitas Michelin

Defrance

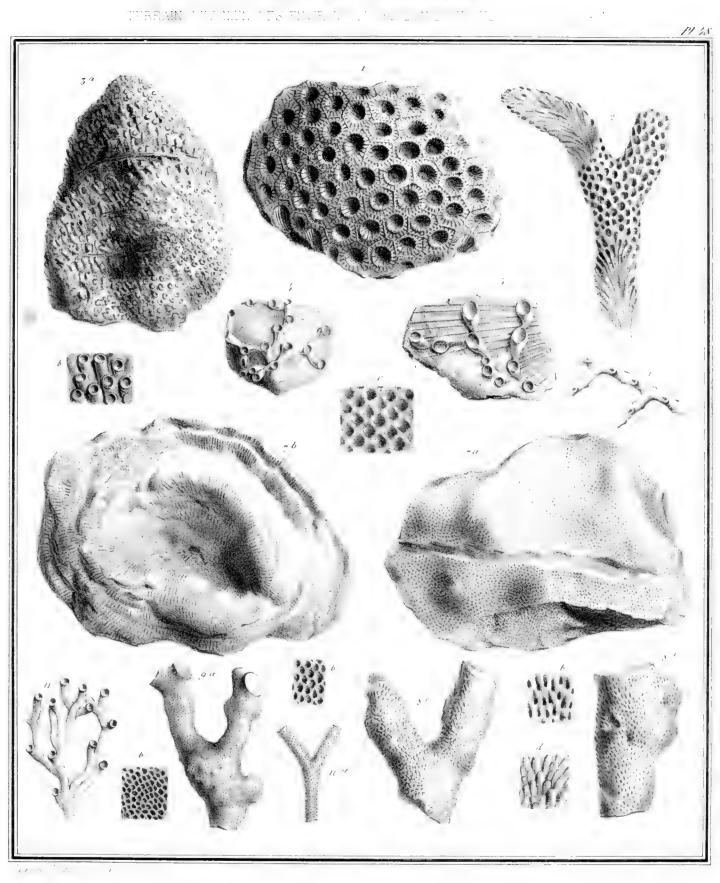
## GROUPE DE TRANSITION.



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## GROUPE DE TRANSITION.



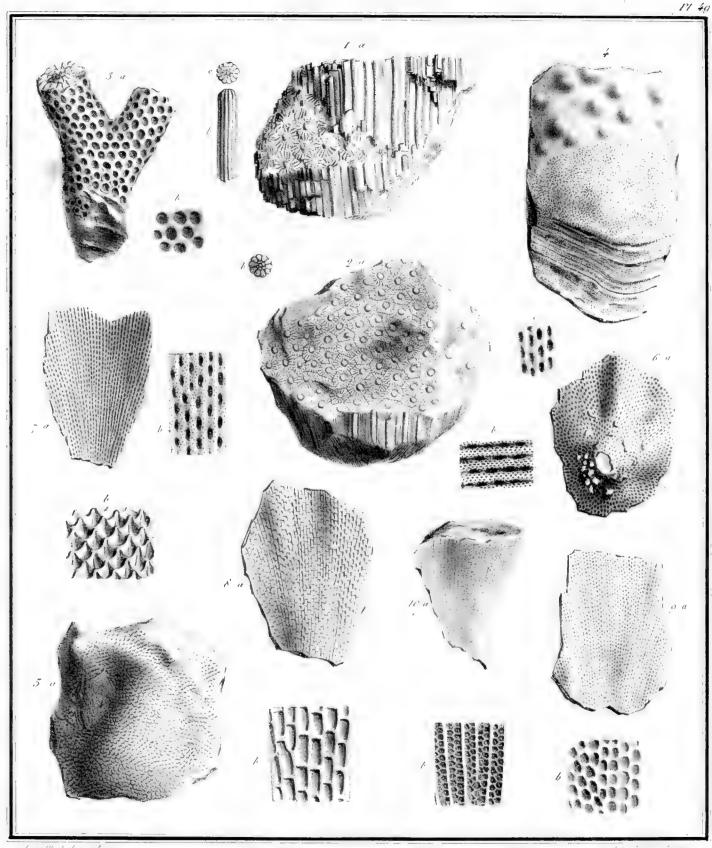
- 1 . Cyathophyllum profundum Michelin . 2. Alveolites cervicornis, Blainville
- 3. Harmodiles Boucharde
- Michelin 4. Autopora tubalormis . Goldfuss .
- 5 Autopora cuaillina .
- Michelin . 6 Dendropora explicita.
- g. Cinepera
  - Celdhussu affinis
- Michelin Goldfuss
- 11 Criscopia
- Boloniensis

Michelin

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#### GROUPE DE TRANSITION,

TERRAIN DE VONIEN DES ENVIRONS DE BOULOGNE SUR MER (PAS-DE-CALAIS)



udevic//lichelin ir lan

lecreularea ananas

\_\_\_\_ pentagona Mecelites arricornis

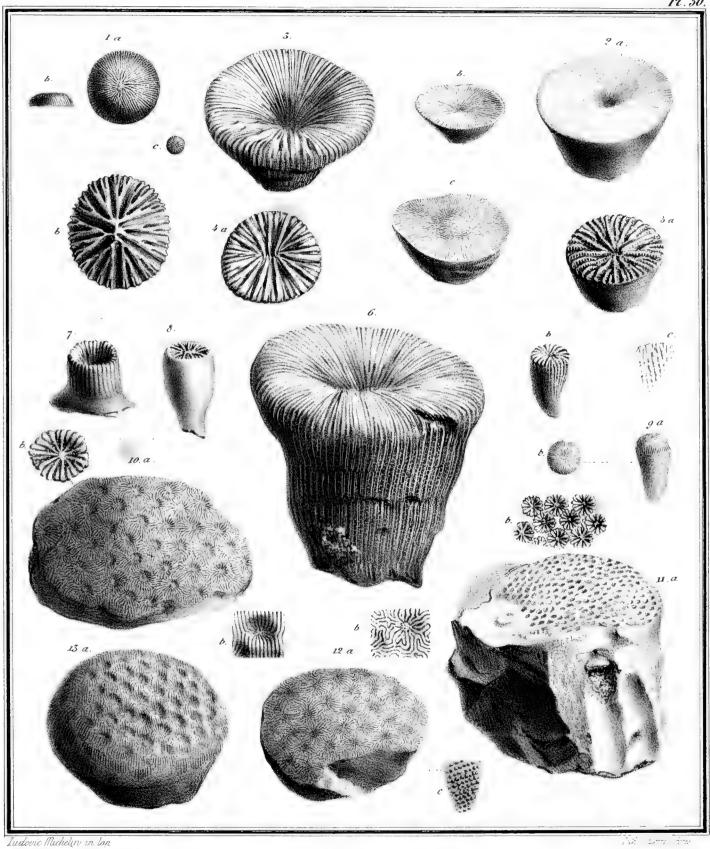
Muchelin Vim Blaineille Gorgenia

Michelin Bouchardi Finestella Virnaultana Mahelm

#### GROUPE CRETACE.

GRES VERT DES ENVIRONS DU MANS (SARTHE)

Pt. 50.



1.	Cyclolites	semiglobosa Michelin	
2.	Authophytt	um patellalum.	-
-	_		

2.	Anticoping tion paretarente.
5.	palcriforme/
1	
4.	umequale/.

5.	Anthophyttum sulcatum . Micheliw .	
	dispar	
1.	nanum .	
· ·	Carlot Hint Commence	1

striatulala \_\_\_\_

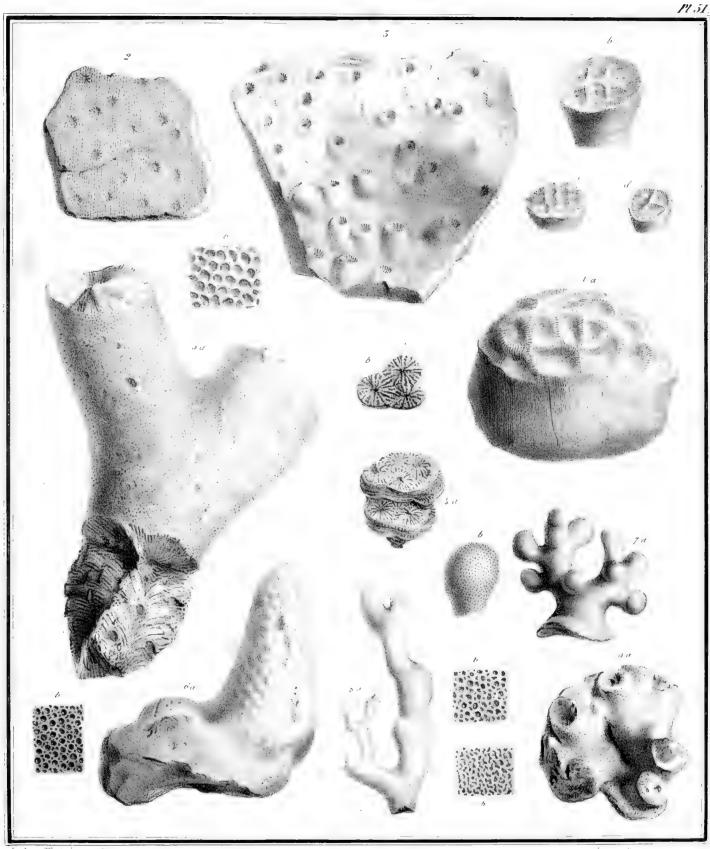
10.	Astrea
11.	
12.	

Michelin . micraxona . Desportesiana.\_ agaricites : Goldfuss : decipieus : Michelm : decipiens .

	•

# GROUPE CRETACE.

BES VERT DES MINIRONS DUL



Ludovic Michelin in lap

3. Oculina

4. Astrea 3. Chaetiles

superposita. Michelin | 7. lériopora ramulosus. \_\_\_\_\_ | 8. lleteropora

lobulus.

Spengia

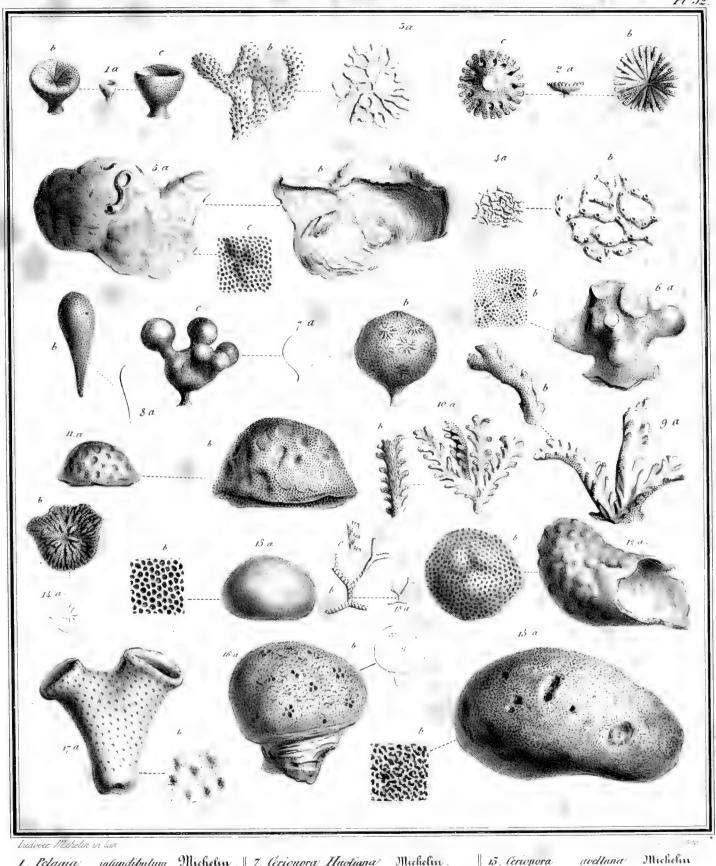
truncata: Michelin surculacea . \_\_\_\_ multidiqitata.\_\_\_\_

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#### GROUPE CRÈTACE.

GRES VERT DES ENVIRONS DU MANS(SMCHEL)





1. Pelagia insignis

Diastopora

Alecto Ceriopora

rumosu granulala licheniformis formosa

infundibulum Michelin .

M. Edwards. Michelin .

7. Ceriopora Huotiana \_\_ Clavula 9. Idmonea junnala

11. Ceriopora labyrinthica

\_ araleala \_ mamillosa Roemer.

Michelin .

Roemer

Michelin

15. Ceriopora 14. Inchenopora

15 Spengia

18. Admonect

16. Lymnorca

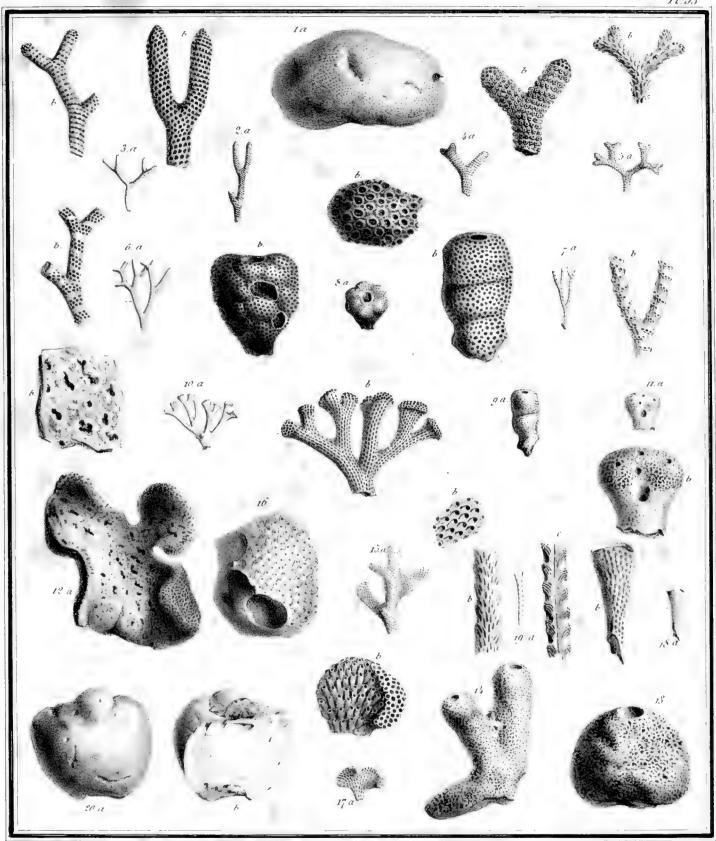
avellana Cenomana informies

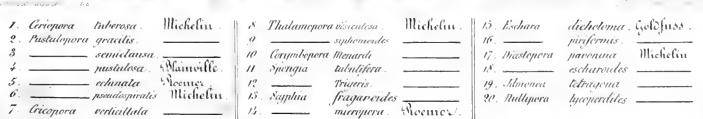
spherica

17. Chenendopera cylindrica distichu

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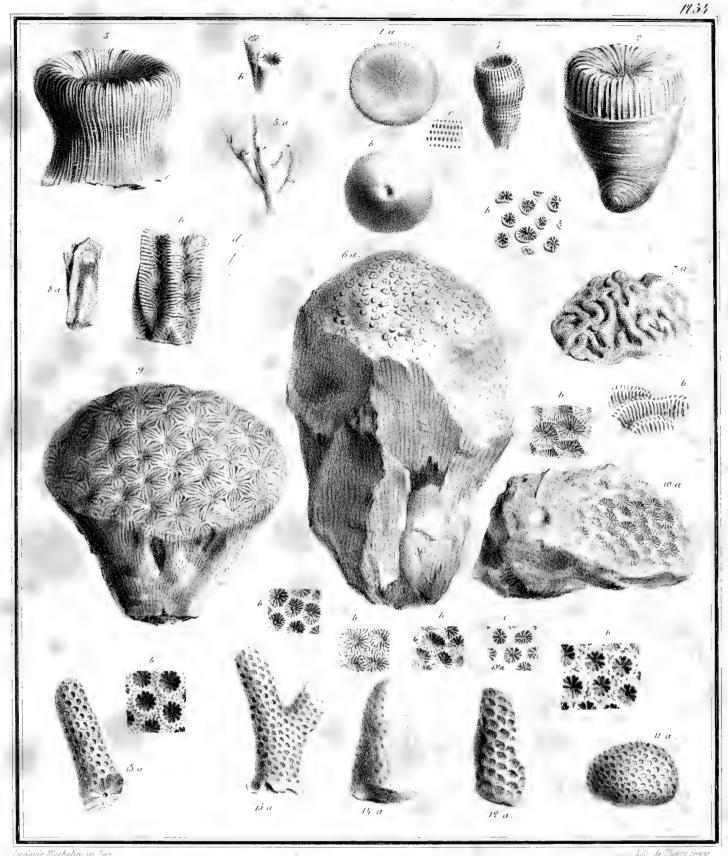
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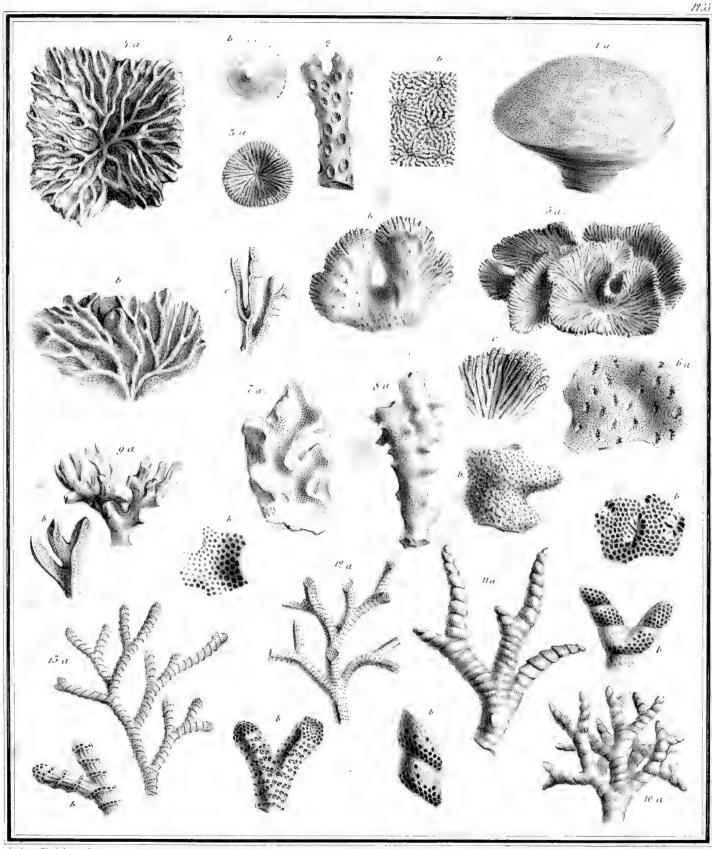
FOREST-MARBLE DE LUC, RANVILLE & a (CALVADOS)



Michelin . Michelin Lamonronx bucciformis orbulites . Lithodendrou Eunomia . Monthwaltia curyophyllalu. Meandrina venustala'. 12. dissunitis . Pocillopora 3. Anthophyllum trancatum. Agarica ramulosit. B'. sertifera. luitomensis . digitala 4. Caryophyllia relorla. Istrea 14 Lamourouxá Defrance Camourous 15 Ocalina gennala . limitala .

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FOREST-MARBLE DE LUC, RANVILLE & a (CALVADOS).



Alveopora Oculina Heustriaca . dypeata. Pelagia -1psendesia diunthus.

cristala .

Microsolena . Allichelin . Lamouroux Blainville. Camouroux.

Theonoa Tilesia Chrysaora

dathrala . contorta . spinosa .

Michelin. damawinis. Lamouroux 10. Terebellaria rumosissima . \_

Samourouse !

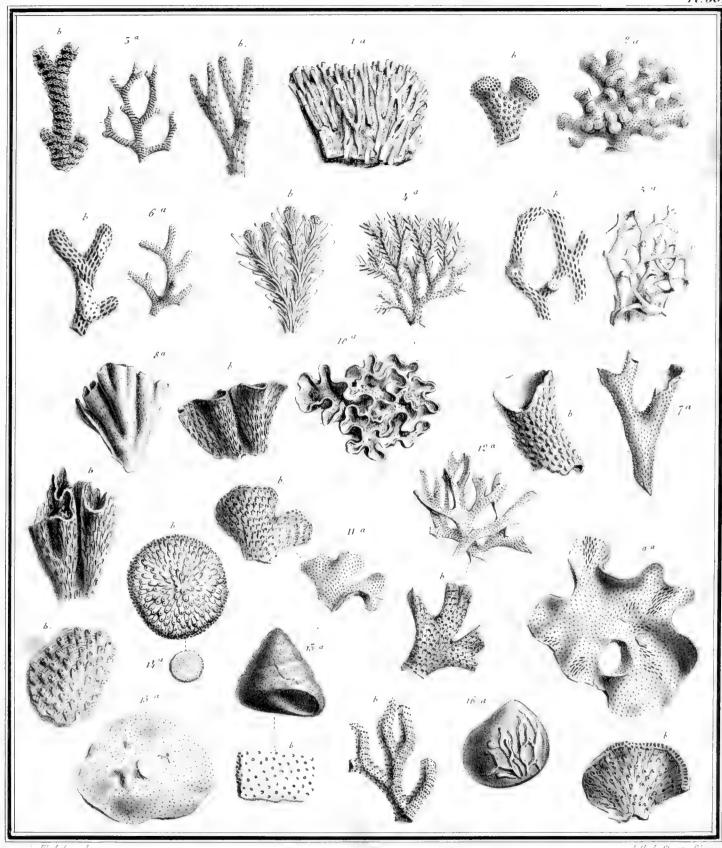
11 . Terebellaria Antilope .

12. Cricopora letragona . elegans.

Lamouroux Blainville .

FOREST MARBLE DE LUC, RANVILLE &a (CAITAD .)

Pl. 56.



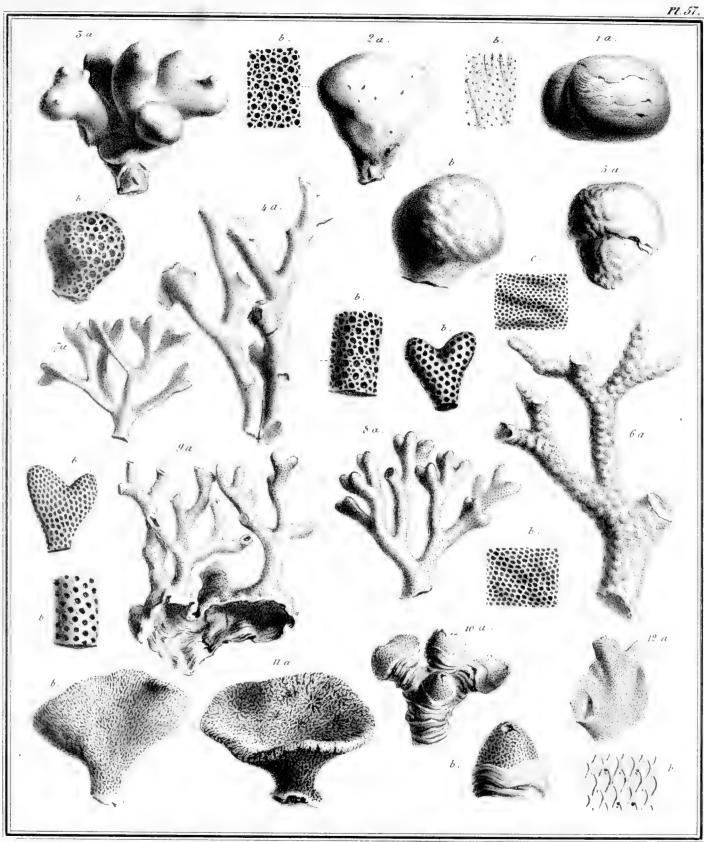
vic Michelia in lap

Lith de l'hierry frères

									M. Edwards.
Ø.		abbreviata .		8.	 foliacea .	Connencens	14.	 verrucosa .	***
5.		verticillala .	Michelin.	9.	 Endesana .	III. Edwards .	ΙĎ.	 andulala .	Michelin .
4.	Entatophera	cellarioides.	lamontoux.	10.	 Michelinie .		16.	 triquetra .	Camouroux.
5.	Intricaria	Bajocensis .	Wefrance.	11.	 lamellosa .	Michelin'.			
6.	<i>Cricopora</i>	Tessonis .	Michelin .	12.	 cervicernis				

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FOREST - MARBLE DE LUC, RANVILLE, &ª (CALVADOS)



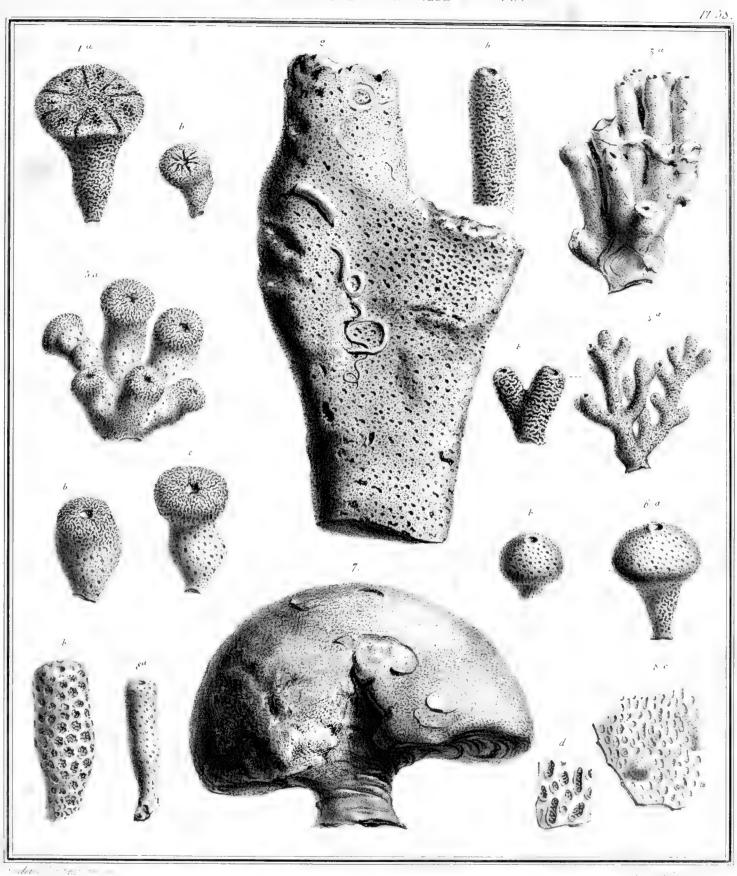
Indovic Machelin in lap

7-77 / 777- 00

1 . Diustopora	microstoma.	Michelin.	5. Ceriopora	globosa .	Michelin.	9. leriopora	corymbosa . Michelin
2. Heteropora	ficulina .		6	pustulosa .		10. Lymnorea	mamillosa . Samouroux
3	pyriformis .		7,	dumetosa .		11. Šponejia	helvelleides .
4	ramosa.		8	conifera .		12. Eschara	Ranvilliana Michelin .

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FUR MARRIE DE LUC BANTILLE :



1. Spengia

Scyphia

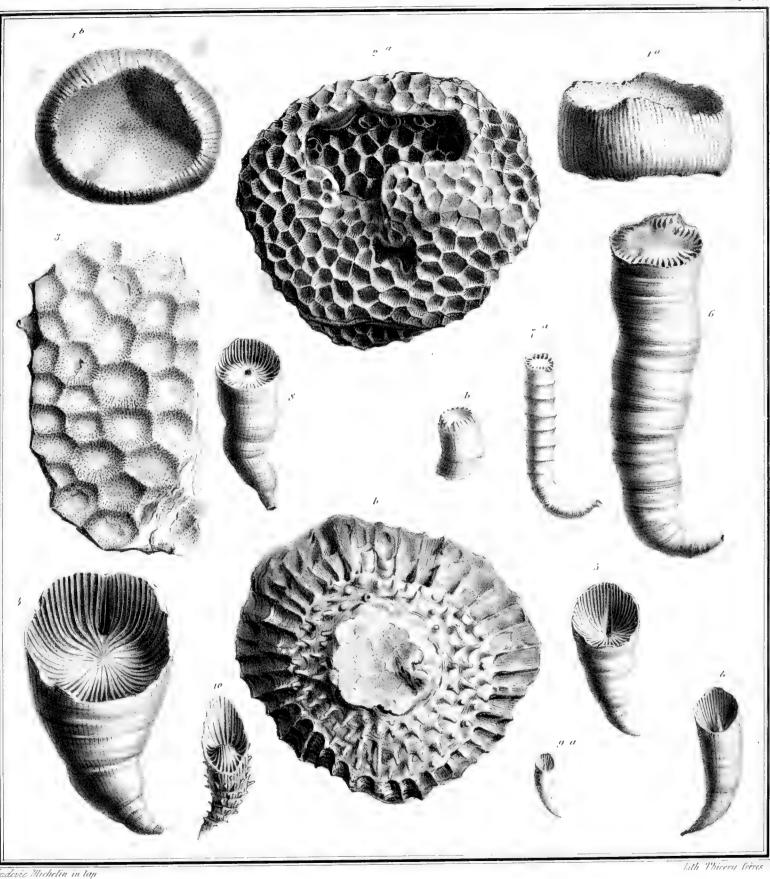
umbellata : Michelin : 4 Scyptia macrocaulis \_\_\_\_\_ 5 Siphonia cymosa : \_\_\_\_ 6

pistilloides Michelin , 7. Lymnorea gigantea . Michelin lagenaria \_\_\_\_\_ 8. Endea cribraria . \_\_\_\_\_ tycoperdioides \_\_\_\_\_ |

### GROUPE DE TRANSITION.

TERRAIN CARBONIFERE DE TOURNAI (BELGIQUE)

Pl 59



Mortieria Michelinia

Caninia

vertebratis lavosa .

compressa . patula.

honinck .

Michelin .

Caninia

cornucejue Amplexus

coralleides . Cyathaxonia tortuosa .

Sowerby . serpuloides hominich . Michelin .

Michelin.

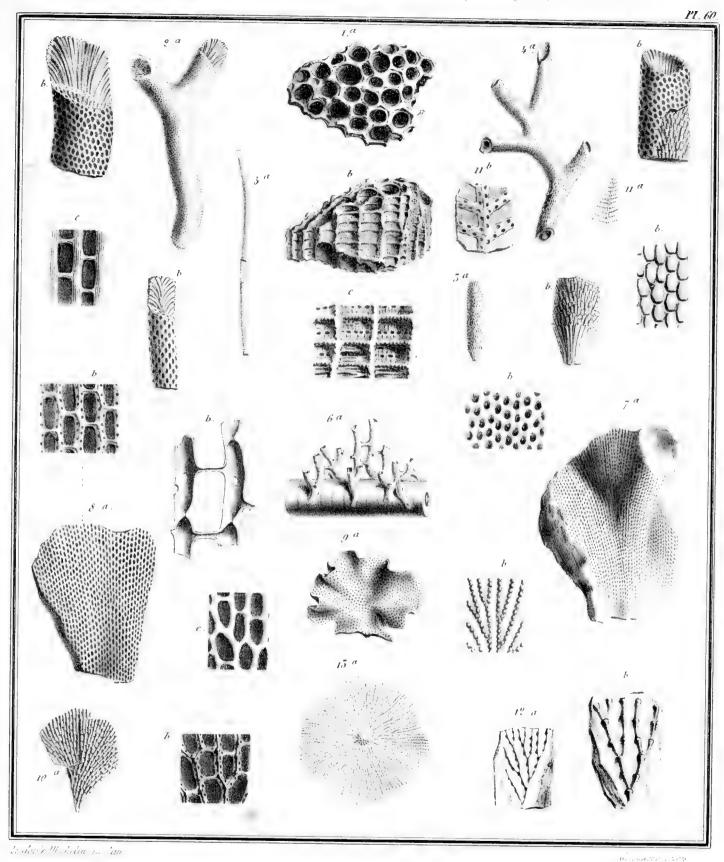
Gatharonia cornu sjunosa

Michelin .

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#### GROUPE DE TRANSITION

CARBONIFERE DE TOURNAY (BELGIQUE) TERRAIN



Z.	Favosites
2.	Alveolites
~	

tumida . scubra . irregularis, honinck, funiculina . Michelin'.

cylindrica . Michelin . 6 Harmodiles calenalus . Relepora

9 Discopora 10 Corgonia

reliformis . membrunacea Shillips . antiqua Michelin undulata

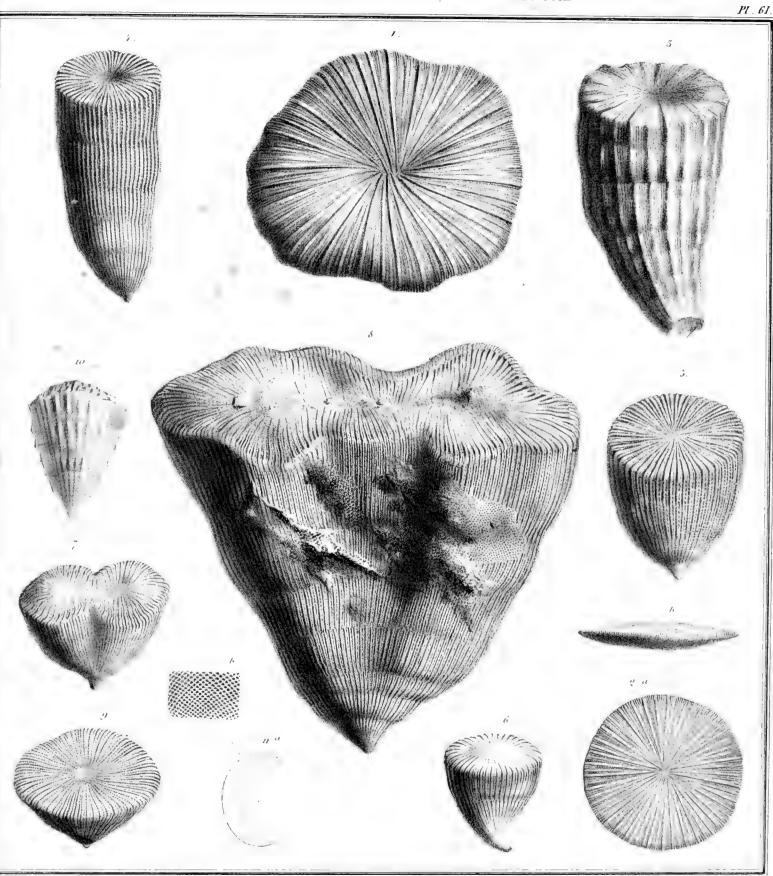
houinek . 11 . borgonia Michelin . 12 . Crisicidea 12. Crisicidea 13. \_\_\_\_\_

ancejis . lubreformis . Michelin . undulata .

Schlotheim!

### SUPRACRETACE.

TERRAIN NUMMULITIQUE DE LA PALAREA, JARRIER PRÈS NICE



1. Fungia 2. Cyclolites

3. Turbinolia

Niceensis . Borsonis . exarata .

corniculum . \_

Michelin .

5 . Turbinolia

Alpina . bilobala .

multisinuosa .

hemispherica Nas Michelin g. Turbinotia

10. Flabellum 11. Orbitoliles

cyclolitoides . Bellardi . costatum . elliptica .

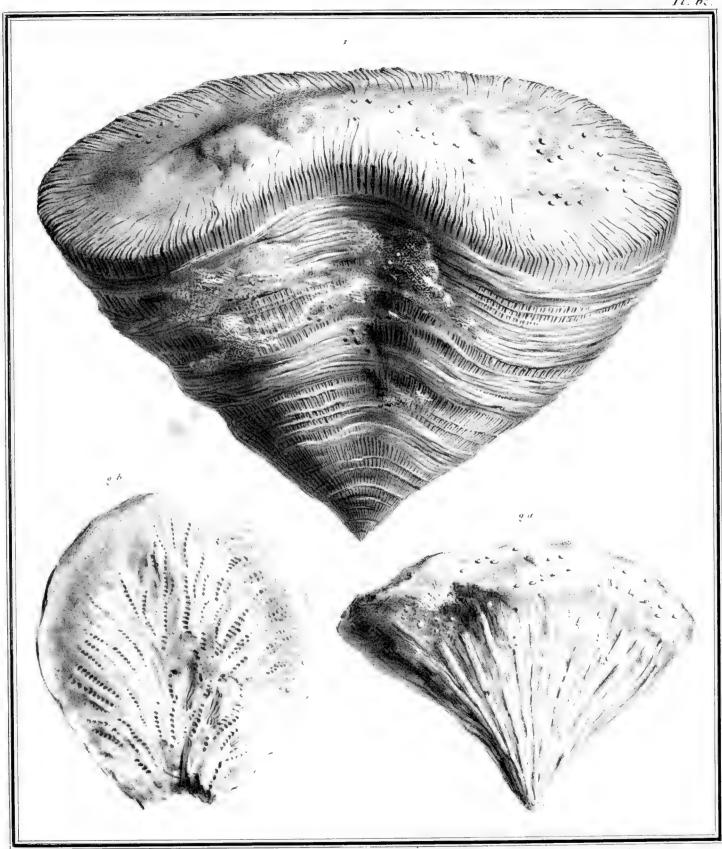
Michelin'.

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### GROUPE SUPRACÉTACÉ.

TERRAIN NUMMULITIQUE DE LA PALAREA, JARRIER PRES NICE.

Pl. 60.



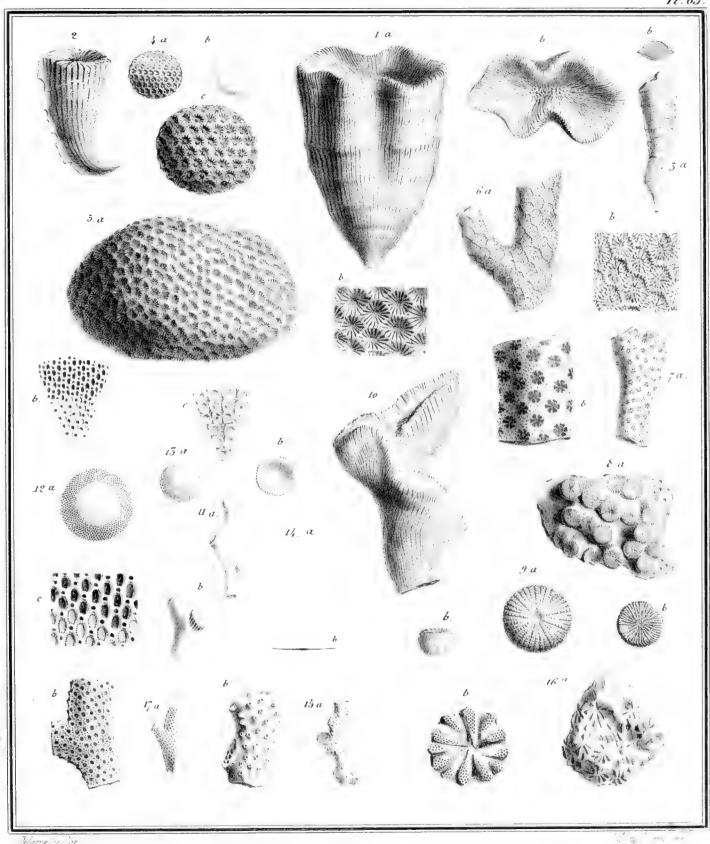
Delarue in lan

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#### GROUPE SUPRACRETACE.

TERRAIN NUMMULITIQUE DE LA PALAREA, JARRIER PRÈS NICE.

17.63



1.	Turbinolia
9	Flahellum

2. Flabellum 3. \_\_\_\_

4. Astrea

6 Alveopora

sinuosa Al Brongmart Pyrenaiam Michelin

vaginule .

numisma . Defrance
Caillandii . Michelin .

elegans . \_\_\_\_\_\_ 12 . Lunulites

7. Astrea distans . Comerie .

8. \_\_\_\_\_ brevissima . Ocohones .

9. Anthephyllum Brauni . Illichelin .

10. Lobonhyllia Micheliniana leymenie .

10 Lebephyllia Michelmana (eymeric.

11 Oculma incerta.

12 Lunutites Vandenhechei.

15 Lunuldes junctalus
14 Urbilolites fralli
15 Diastopora Thorenta
16 Lichenopora conjuncta
17 Eschara Leymeriana

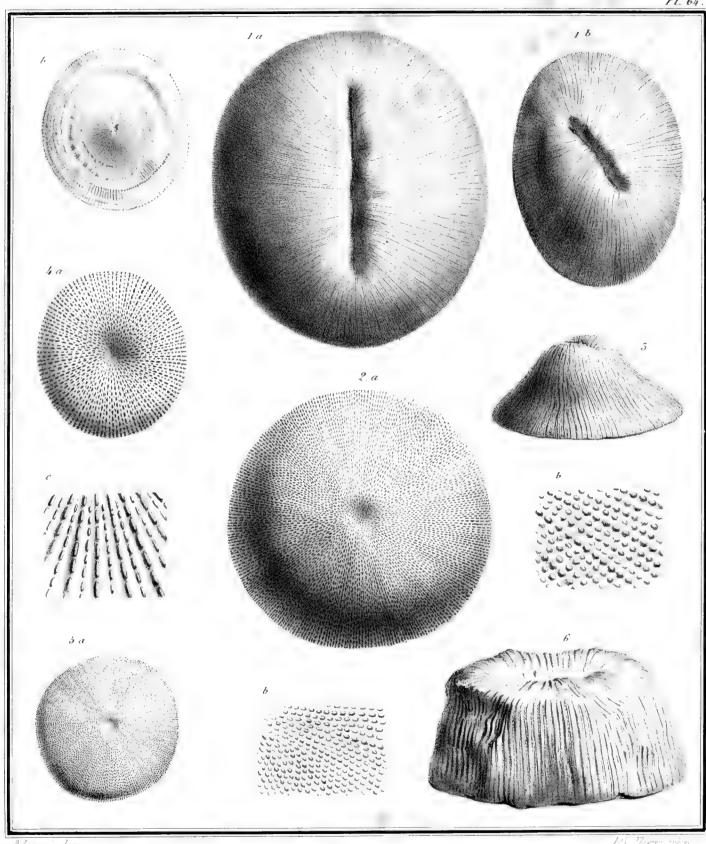
Segmetie Mhehelin

·		

### GROUPE CRETACE

CRAIE A HIPPURITES DES CORBIERES, DES MARTIGUES, DE MAZAUCUES &ª

Pl. 64.



Telarue in lan:

Gydoliles

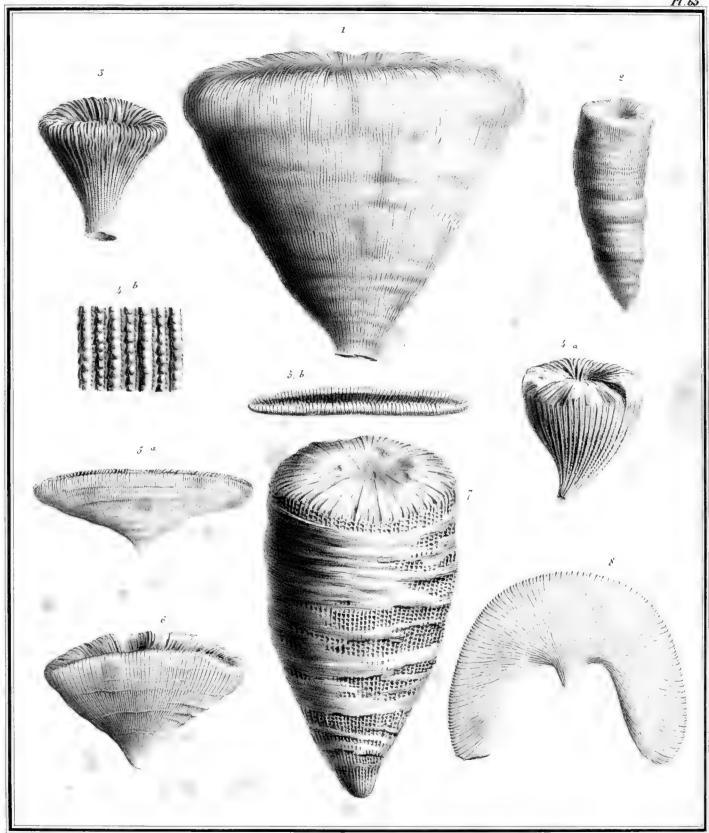
elliptica : Samarch : 5 lydotiles undulata : Goldfuss : 5 lydotiles hemispherica Blainville 4 \_\_\_\_\_ Hancriana : Michelin : 6 \_\_\_\_\_

Corbieriaca . Michelin rugosa

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### GROUPE CRETACE.

CRAIE À HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES &ª



Delarue in lap

Lith Thierry freres

1	Turbinolia	Boissyana.	Michelin .	
2		trucrnis		
- 5		nalula		

	4.	Iurbinolia	rudis j
1	5		alata .
ļ	6		complan

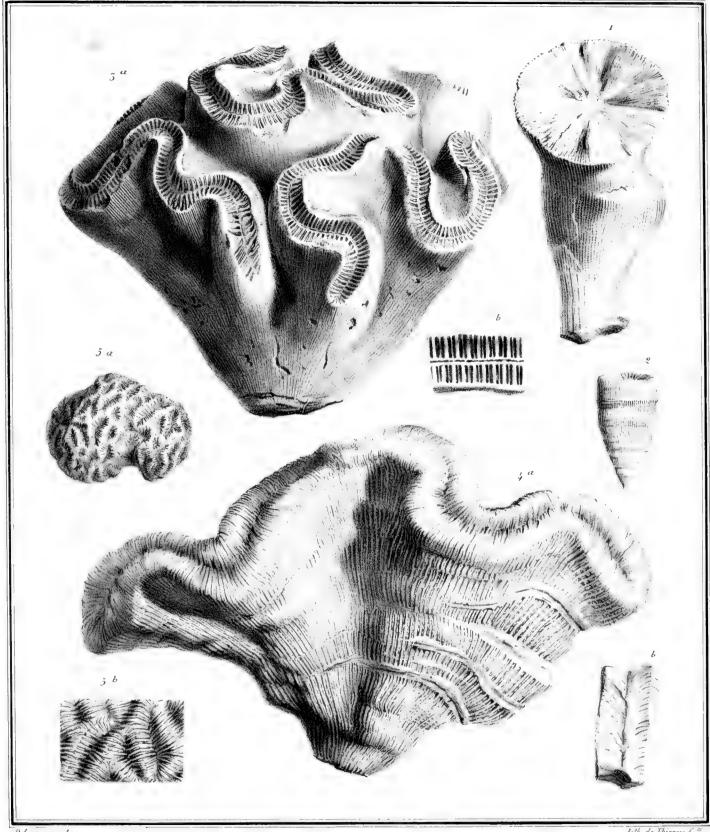
Michelin Goldfuss 

•			
•			

# GROUPE CRÉTACE

CRAIE À HIPPURITES DES CORBIÈRES, DES MARTICUES, DE MAZAUGUES &º.





Delarue in lap

Turbinclia cernua

Goldfuss . Michelin

cuncelus . 3. Lobophyttia labyrinthica. \_

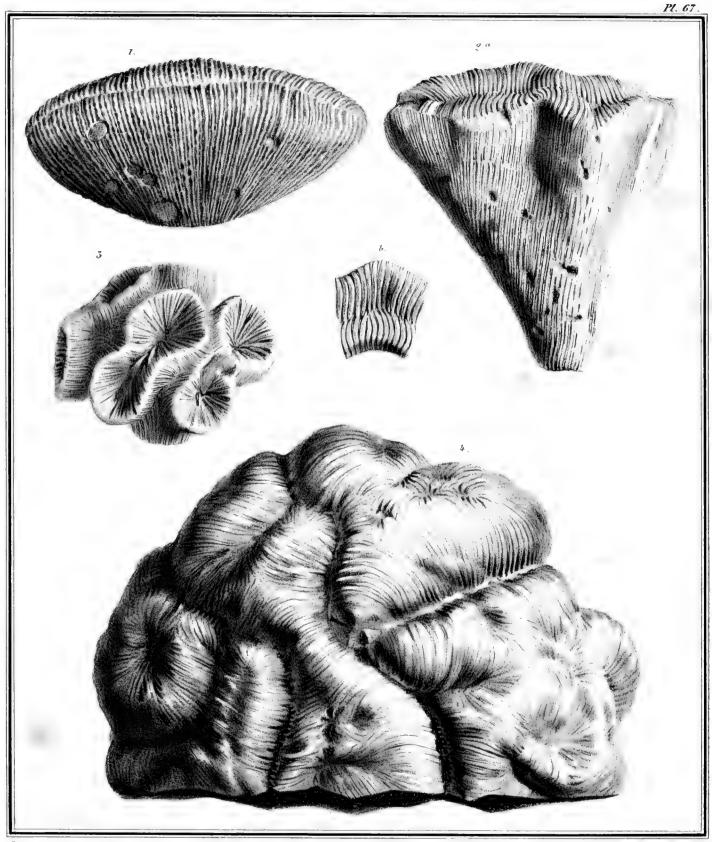
4 Lobophyllia Martiniana Michelin

5 Meandrina tenella . Goldfinos

Lith de Thierry 1

# GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIERES, DES MARTIGUES, DE MAZAUGUES &ª



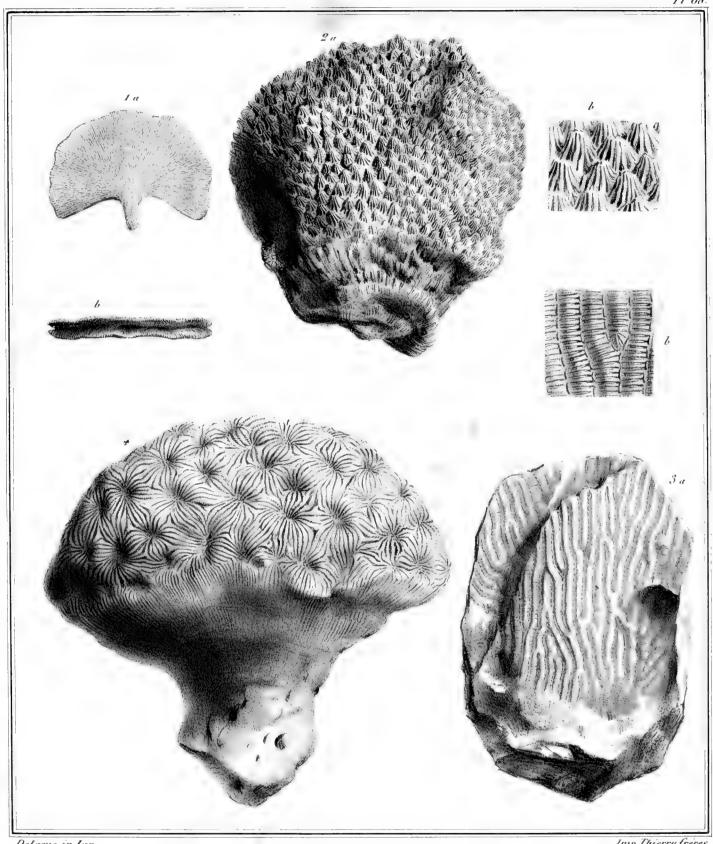
Delarue in tap.

Lith de Thierry freres

1 Turbinolia 9 Lobophytlia Occitanica . \_\_

### GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES, &ª



Detarue in Iap

1. Diploctenium Matheronis, Micheliu. 5. Meandrina radiata. 2. Monticularia Styriana . — 4. Astrea Firmasiana .

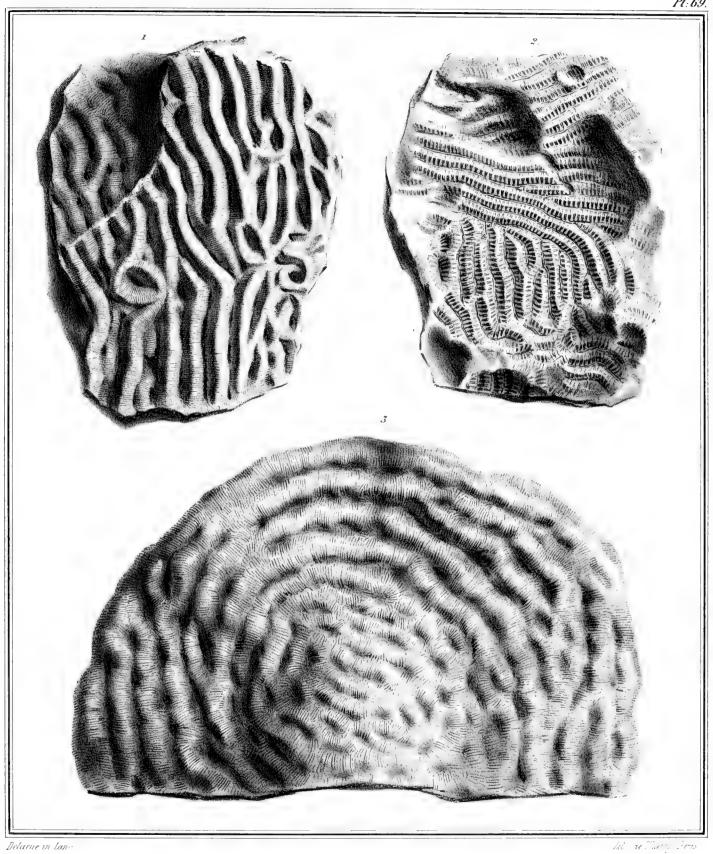
Imp Thierry freres

Michelin.

## GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIERES, DES MARTIGUES, DE MAZAUGUES & º

Pl: 69.



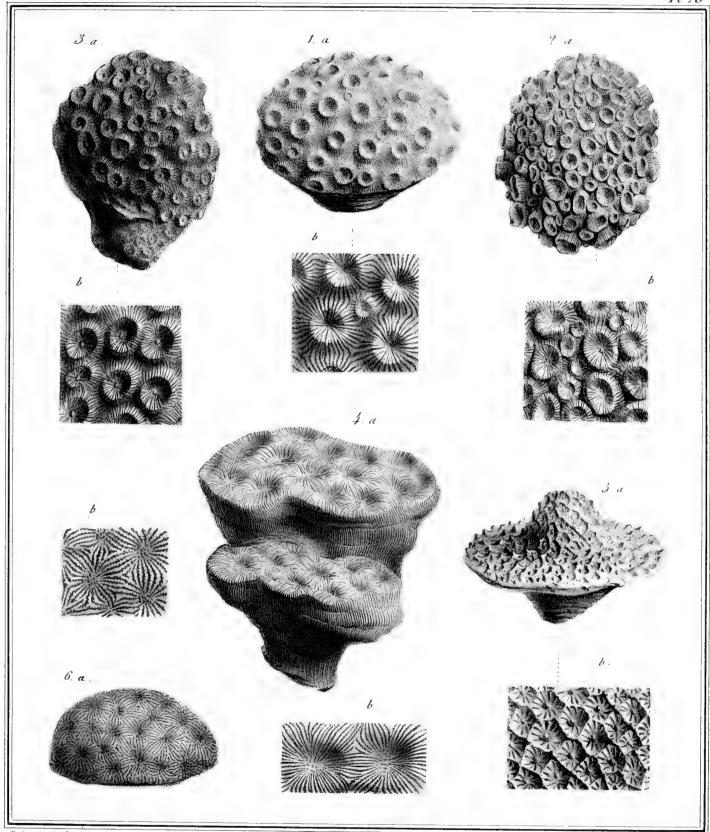
Delarne in lan-

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#### CRETACE CROUPE

CRATE A HIPPURITES DES CORBIERES DES 1. 1.7 - 5 . "AZA 1 10. ...

Pt 70



Detarue in lap

1. Astrea pediculata.

2. \_\_\_\_ compressa . 3. \_\_\_\_ Dumasiana .

Deshayes . Michelin .

4 Astrea media

5. \_\_\_\_ Lupeyrousiana . 6. \_\_\_\_ composita

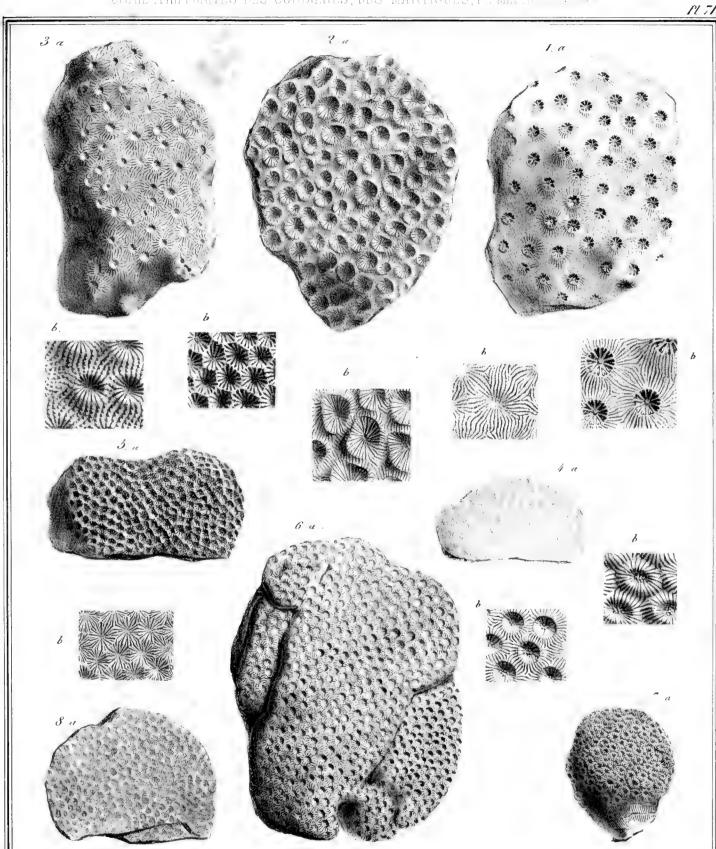
Towerby Michelin

Lith Thurry freres

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### GROUPE CRÉTACE.

CRAIE AHIPPURITES DES CORBIÈRES, DES MARTIQUES, DE MAZAL LE: +-



Delarue in Lap

. Astrea sparsa Michelin

sculpta .

7 \_\_\_\_\_ variolaris 8 \_\_\_\_\_ Requiente Goldfuss Michelin

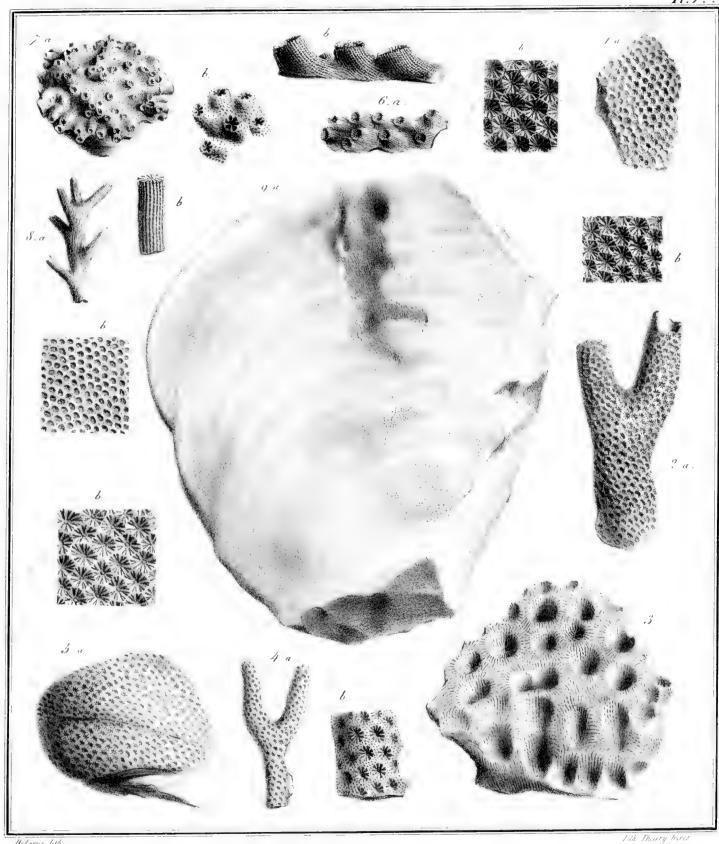
Lith Thurry freres

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## GROUPE CRÉTACE.

CRAIE A HIPPURITES DES CORBIÈRES, DES MARTICUES - W 141 1.1 5

Pl. 72



1 Astrea decaphylla

cctolamollosa perforata

Micheliu

Towerby

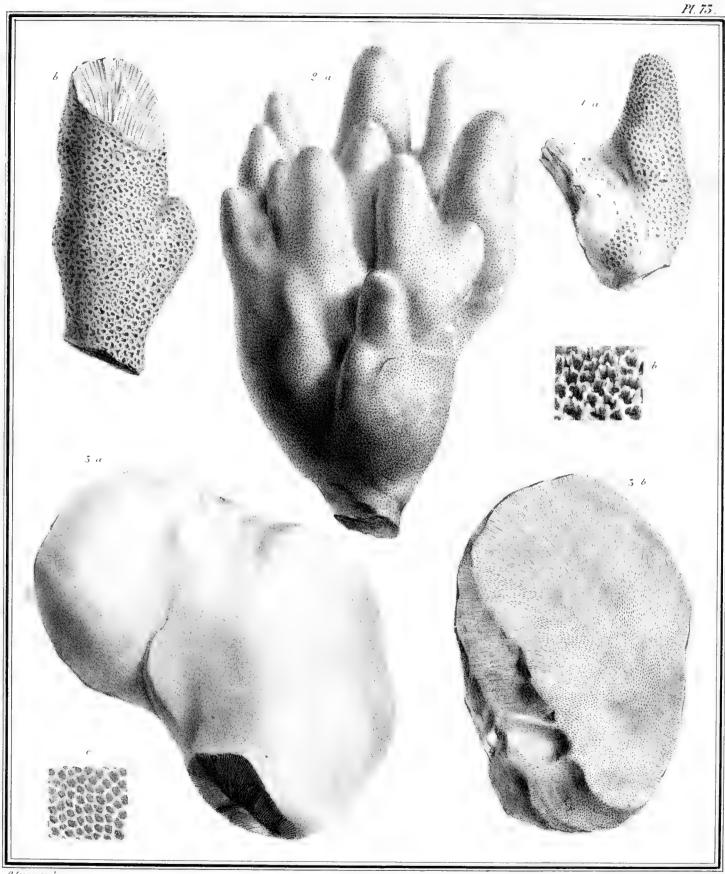
7. Lethodendron oxegue 8. \_\_\_\_\_ ramulcoum 9 Chartetes flabellum

Michelin

	•
	+
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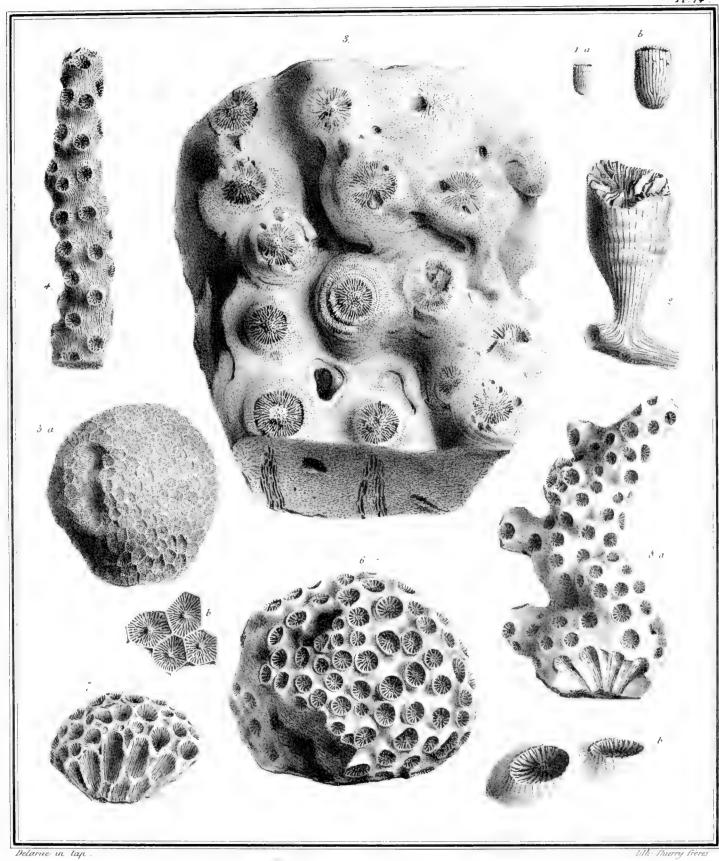
### GROUPE CRÉTACÉ.

· AB · Tall URITES DES CORBIÈRES, DES MARTIGUES, DE W. L'UGUES &



### GROUPE SUPRACRÉTACÉ.

FALUNS DE L'ANJOU, DE LA BRETAGNE, DE LA TOURAINE



1. Tarbinolia Milletiana .

Wefrance .

? Caryophyllia Allamllensis .

4 Bendrophyllia digitalis Blainwille (1 des dongala) 7. Astrea

5 Astrea Bertrandiana Michelm . 8 Ceulina

Michelin taliformis . crassoramosa

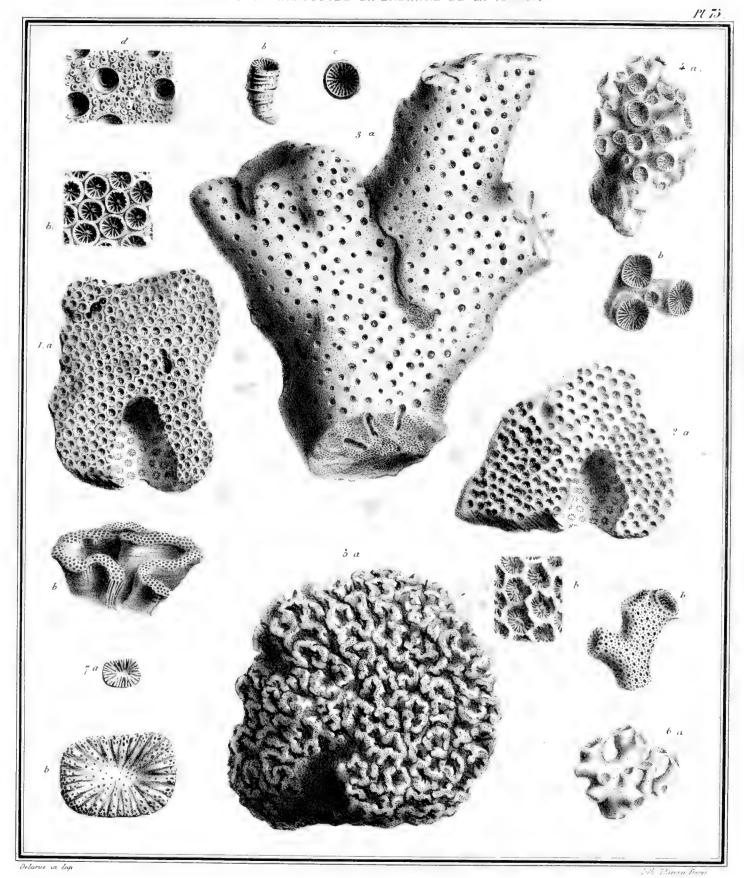
semispherica . Defrance .

3. Dendrophyllia Theolvoldensis . Michelin .

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#### GROUPE SUPRACRETACE

#### FALUNS DE L'ANJOU.DE LA BRETAGNE DE LA TC



1, 2. Astrea

Turonensis Michelin 5

3. Lilhodendron parasitum. \_\_\_\_\_\_6

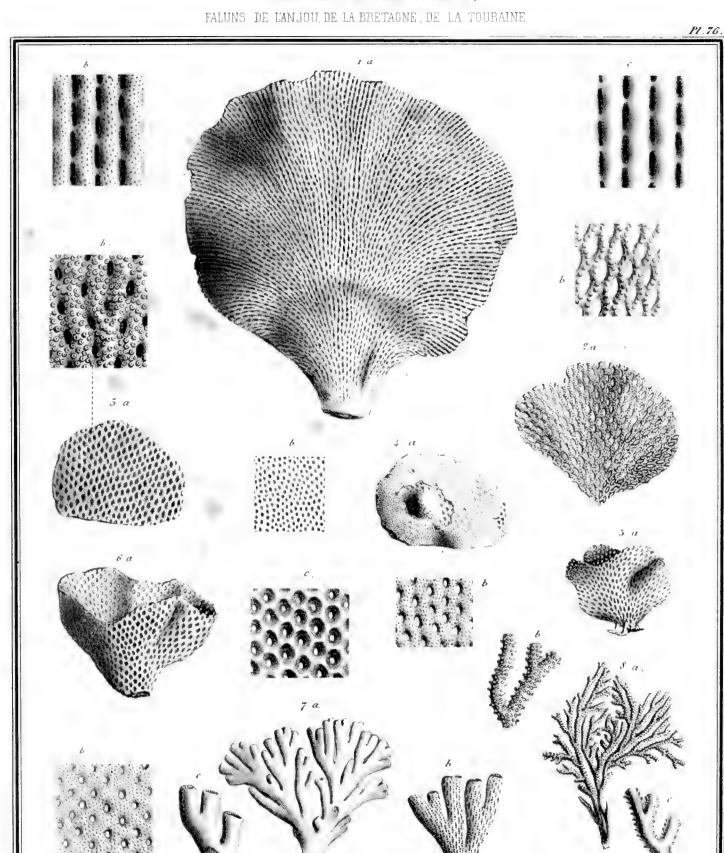
Heleropora multicaule .\_\_\_\_ \_ 7 . Lichenopora Armorica

Apsendesia intricala

cerebriformis Mamville Michelin

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	300		

### GROUPE SUPRACRETACE.



Delurue in lap

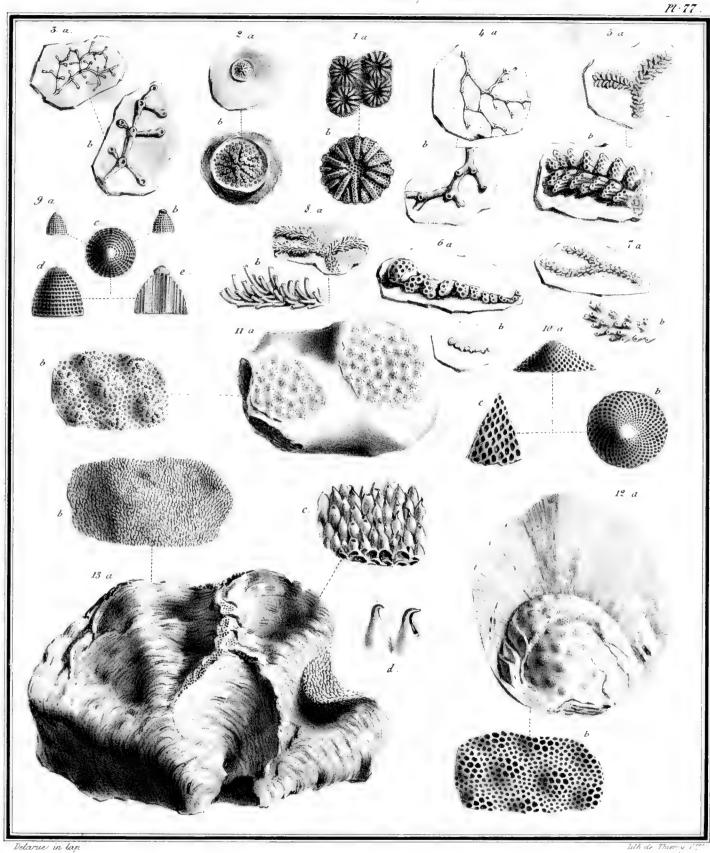
With Thierry freres

1 Relepora flabelliforms	Blamville	3 Releptora	frustulata	lamarch
2 granulesa		6	alveolaris	Blainville
3 scobinosa				Milne Wwards
4ayylicala	Blainville	8	Undegavensis	Michelin

		•	

### GROUPE SUPRACRÉTACÉ.

FALUNS DE LAMOU DE LA BRETAGNE, DE LA TOURANTE



Michelin 1. Lichenopora cumulala. 2. Tubulipora fungicula

3. Alecto vesiculosa/ parvula

disticha

alternatu Tubulipora simbriala \_ cornigera

9. Lunulites conica .

Michelin . lamarch

Michelin. Defrance .

Lunuldes liwieri Cercopora lichenitormis

Chaeteles pomiformis. Cellepora cucullina.

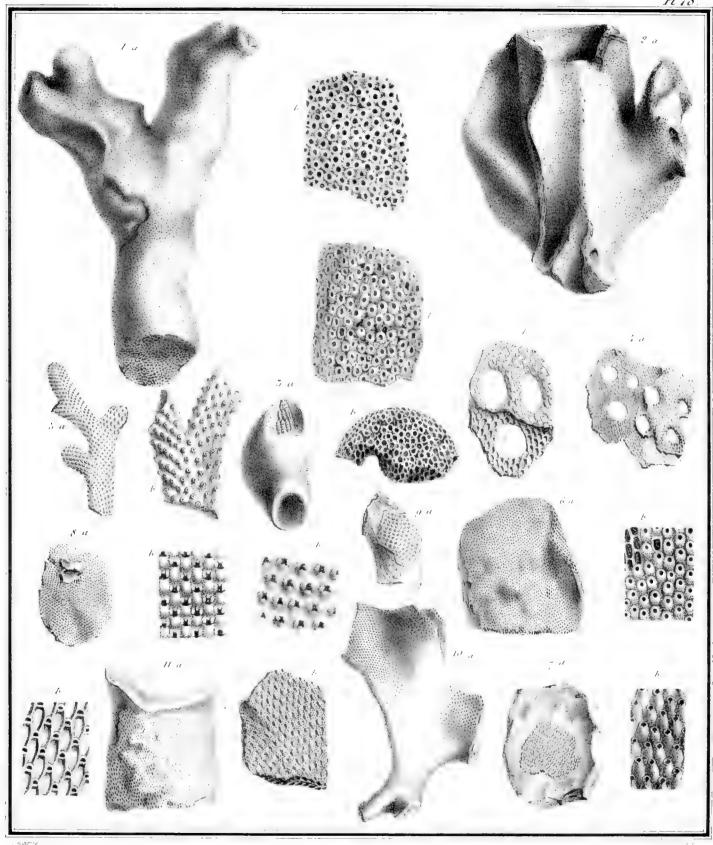
Wefrance. Michelin. Vitas is Michelin

	0.0

# GROUPE SUPRACRÉTACÉ

HATTIS DE LAMJOU EE LA BRETAGNE, DE LA TOUR TOTAL

Pl 78



<b>Z</b> .	Cellepora
0	

Michelin . pulmata .

foliacea

parasilica .

reteporeformes .\_

tamellosa.

6. Eschara Sedgwichu

\_ Deshuyesu

Michelin

M Edwards

9 Eschara

labiosa

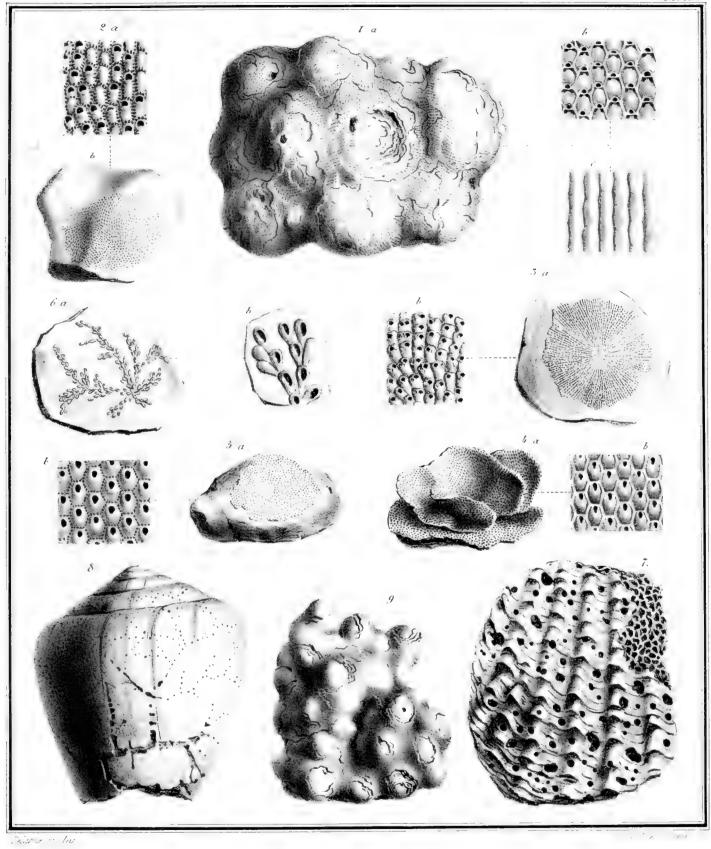
Michelin . M. Edwards . Michelin . \_ Undegavensis



### GROUPE SUPRACRETACE

FALUNS DE L'ANJOU DE LA BRETAGNE DE LA : "E- "F

Pl. 79



I	Eschara
-	

nobilis : Michelin : 4 Eschara affinis : M Lowards 7 Vivas Huverno pertusa : M Lowards 5 Lata 8 — Hardina biaperta : Michelin : 6 Greserpia pyriformis : Michelin : 9 Hallepora uvaria

Marido Duvernoyi Michelin Nardina

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